

gttcagtga gtgatataat taagttagtt attttaatga ttaatatatt tcgataattc 360
aaagaattta ttgtcaatta accaagttaa taaccatcac tcccgtcatg ggaaaaaaaa 420
taaagt 426

<210> 22008
<211> 361
<212> DNA
<213> Glycine max

<400> 22008

agcttgcat aggaattgcg tattccccac tccatcatta ggatcacttc ctgacatctc 60
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taagtgcatt acacaattat ggcttaacta taatgaaaca ctctagcctt tgaccactct 180
aattaccctt gagctcttac gcaattcaag agattatggc cacaacaaag aacaattcac 240
caacaagtgt aaggtaaggc tagacaagga aaagggtgaac caagaaaaag gctaacaatg 300
gttttacgca caaatgaagg aaataaaatt cagaatctaa cgacatcaag aaacaatcca 360
t 361

<210> 22009
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22009

gcgcatgaaa cctgatactt tgaattgacg cctcgcgatg actacgtaag ctcnggagga 60
tngatgggga ctcggtgtat anaagaactt ctgttacggg ccttatggat tctcgcaggc 120
accaactgga ggtgggagac aggacgatcg cgggcttatg cgctcattag tggatgtggc 180
aaaacttgtc gacaccatt gatccaccg caacgaatac tacaagatga tggggccccc 240
catgatccta caagctcgac atgacgaaaa cgtcgaaggg tgaaactcta ctgcttttat 300
cgttgaccac agtgtggatc cgggagagat gttgccgggg ccaagaaatc tttgggacat 360
catggggggg cgacactgcc ccaaactcat gtagtataat tctcaactca tcaactggcat 420
ataccgttcg tgacaaccg tgacgaccac catcggccag ctctggggct gctacaatta 480

taaggacg

488

<210> 22010
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22010

atcccaccnn nacatcccc cgccccccg atangtatat gatgaataaa aaaagagagg 60
aagctgagct tgaacttgaa caccggaccg gaccagaag accgagctca gcttgtgggt 120
tcaccatcat gacgggcaaa cacacactac ttctctcata caataaacca gagaagggca 180
taaaggagcg aacaaaaggc atgcatgcta atgataaagt gtaacaacca aaataacgct 240
acaaattatg attacctact cagacgtatg cacaccatat accccaaggt ctattcaaca 300
gtcaactata actttaactt aaggatacga gactaggaga catatacaag atccctttaa 360
aatcagaaaa acaggtgaaa cg 382

<210> 22011
<211> 338
<212> DNA
<213> Glycine max

<400> 22011

ctaagctata agtgacagag tgactctcac ctagaatttt atttaacggt ttaggcactg 60
gggagcgata tcaaacaatt tatctgttca gcctctgaaa aaagtggaac gttgtaattc 120
atgttgaatt catttctaac tcatttgctc tggattgat tccacaatgt ggtattgttt 180
acatataaaa taaactttgg aaaatgtttc gtcaaaactca cgtatattca agtttgaaaa 240
acttatatac ttatcttgat ggagtcgtgt ctacattctc gaatctagtg tcttgaatct 300
tgatactgat tcatgggata tttgaaactt gtatcctg 338

<210> 22012
<211> 334
<212> DNA
<213> Glycine max

<400> 22012

accacgaac ctaacgaggc cgaatggcgc accgacatcg gaaaaggacc ccaggccgac 60

aagaacctcg accaaatcgg caccctctac ggacccaaga gccacgcaga aagcctccct 120
 gcgcacctcg ggatcaacaa gcactaccac gctgcctact cgcacgcgcc gcgggcctcc 180
 acgcactcaa agtaggagac aacggatcga cgcgaccacg gtcagcagcg gggacagagc 240
 aaccgcaacg acaaagcgga caacgacacc acgcggaacc cggcgaaaga ccacagagga 300
 cacaagaccg gactaacggc gtacggggcg accg 334

<210> 22013
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 22013

taagcttcta catgatgggt gtgaagagta aatattactt ttatctaatt aaagttcttg 60
 tcaaccattg cgggtggtagt ttgtcttggt gaaactagac ctttgactga ggtcatcgtg 120
 gttcttaaag agtgagctga ccataggggt gcgttggggt ttgtaagagt atgtaccaag 180
 gatggacctt gggttttcat accaaaggag gaccttgggt tttttatgta cctaatagact 240
 tgtattcctt catatataga agttaaggat tagaaatatt gtctaagggt taccttgcgt 300
 accttgagtt cttgtgagcg aatcttacct aaatagtggg ctactaaagg cagaacttgg 360
 gtttaacgta tcttgtag 378

<210> 22014
 <211> 523
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22014

aaagatagcn nnacgagcca cccgcaccnc ccnncgccg gganggangg aaagagagng 60
 aanacacagc cagagtnagt ttgagcctgt gaagcatgga aatcaaggcg aacccgcgat 120
 ccccgagac ctcgagagca accagcattt tagccagcta ttaacatcgc gagaggacga 180
 agttgcgaat gcaagaaagc ggaggggacc tctcaaagga cataagcccg tgacatccgc 240
 gaagaactag gcctaataaa tgccaagccc atgggaccaa caatggagcc aagtgccaa 300
 atatcgacag agaacgggga accaggctaa caccagaaa gaaaaagaa cagaacgtga 360

ataagaacta actcacagta aaaatgaccg gaaaagccca tagaaggatc acagaatacg 420
 gaatcgaaca caacatgccg tatcaacgga aagcagacat gcccaaacag aaagcaatag 480
 gaatataccc gaaagagaca cattaggaag aaacggacaa ccg 523

<210> 22015
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 22015

ttgcgaaagc ttttctccat catttttact agtgctgat gtctctaact agctattcat 60
 tcgtatcgtg acacatttgt ttggtgatcg taagccgttc ccaactcaagt gcattcaact 120
 acaatcgctt ttctctattg aaaacactca agccttgtag cactctaatt actgatgagt 180
 actacaagtg agtccatag attctggcca catgtaaagt aacatctcac cacatatgct 240
 gaatgcgtaa tgcatagaga gactacggat tgccgftaac tcattaaaca aggctaacag 300
 atgtatttaa gcacaataga cggatgtata atatatatct taagatttca ggtctcattg 360
 cttactacca ccgataatta accttactga gat 393

<210> 22016
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22016

tttcttgcaa gttttntaga gtatcttacc acactcttta cttctgattc ttgcgatatt 60
 tgagttgagg aaacaatgct tagtgtccca gtccactat atgtgtgggt tttatgtttt 120
 aattcgaact ttgtcttcaa atctttcaaa catttaaaaa attaagaatc aatatctact 180
 cagatttcta aatttaacaa tcctacttga gagaccattt gtttgtagaca atttggcttt 240
 tttttttttt aatctttttt tgatcttatt attctgcagt cagttgcaac tttcttcagt 300
 caagttatgg ctaataatgg tggaaacact gctggcccag gtacataata aacttcaatg 360
 aa 362

<210> 22017
 <211> 395

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22017

tccaggatnt gaagagggtca tctttgngct atgtcctgta tctctaaaca ggttggatga 60
tgctgcatga cttgtgaaga acgggattct caagcctcat gacttcagat tctttgttgg 120
atatgctgga tggcaactgg atcacctgag agatgagatt gagccagatt attggtatgt 180
agctgcatgt agctcatgtt tgcttatggg ggctttatca gattcttcat acagcttgag 240
ggacgagatt ttgcagctaa tgggtgggtca ttactcagaa ttgtgccgga tgccaaggca 300
tgacatgtag ctactcatgt atggcttcaa attcagagtc aaatgaatga acaacctgta 360
ttcacggtgc tacaaagtca acctgtctga tggtc 395

<210> 22018
<211> 565
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22018

atcacgcnnn nccatgcccc cccccacca anngtngaaa antaataaca ttgatgatca 60
naaccagcgc gatcagactt gatcctgtga tgccttgata accacaggcg aatccgagct 120
cagnacccgg agatcaccta gagaagacca gcctttatgc aagcttgcac gcacaacgca 180
cgcgcatgat aagtccactc cacaacgctt gaagtacagg agaacttcta ccctataacg 240
caacatggcg gacaaaagag ggcagcaaac ttgaatggtc gtccatggcc atgcgaaagg 300
tatacgcgct acctatacat gttcacacat gattgcaact ttgtgggttac attgagcata 360
gaaccaccta ccagcaatat agcaagctgg tggactacaa atcgagacac atactgtaca 420
agctatacgt ccgcacaaat ggtaggccct cttcaggcat acgaaacagg ctattcccat 480
cattctgatg acgacacgga caccttatac cctgaacca actcacaata tagtgcgaaa 540
atgcccggcc ataatactaac caggg 565

<210> 22019
<211> 352
<212> DNA
<213> Glycine max

<400> 22019

tacaagaaca ctatctaate tttcctaaaa aagatatcta tgtctatgct aaaaattcta 60
tctatgtaaa tcatcattac tgatacacat gtaattcaat cactcatgct tgatttccac 120
attaacacac taatcagaca caatcaaaag tctatgatca aataaaatct atcaatcatt 180
aaccataaat attttcatca accatccaat ccttatgtat ccaaattcac taatatctaa 240
gaggcctaatt tctcttataa aggtaaagaa tgtttctttg gggagatgat tegtgaagat 300
atcatcaacc tgactctttg tatcaacaaa ttctagcatg cattctccct tc 352

<210> 22020

<211> 368

<212> DNA

<213> Glycine max

<400> 22020

agcttgtatt gtcgctcaga tcttgactag ttataacttt ctgaataaaa tgagtatttc 60
ctatgttttt actccaaaag ttagtgcgaa tcaaatcact cccacatttt atctctagca 120
tgcattcatt attctttacc tacacctcac gtttggttct ttaggaaata caccataact 180
aaacgcgccc caaggcatcc ctatcgaccc agatccaaat ctataacgat gggatgatcaa 240
gaggagacac aggaacagat gatagccgac atgtcggctt tgaaagaaca tatggtttcc 300
atgatggatg ccatgttaag aatgagacaa ctcatggaga aaaatgtggc caccgctggt 360
gctgttag 368

<210> 22021

<211> 406

<212> DNA

<213> Glycine max

<400> 22021

tttgtttatt tattaaatca tatattacat gaagttgttg ggtgcaaata agtctttcta 60
aattacaatt tctattattt tatatactta ataattgact gattatagta aaaaaacaa 120
taataattga ctcataatca tacctcccta gccggcttgt gtgcaatcaa caaagctat 180
ctttcgtttt atagactcta taatctcttt ttgtctttga gactgactct atataatttc 240
ataattgcat attaggtatt aatatattta aagaggcttg ctagctagcg tacattcggt 300

tattttataa ttggaatacg ttagtaagtt ttaactaaat attatcttca aatatattca 360
 caatgtagct ggctaataata caccaattga acaacaagtt aatgta 406

<210> 22022
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22022
 agcttgctct atatttacat tgatgtttgt atttatggga ggaggttgta tgccattttt 60
 gttttaagag tagtgtccca ctggtaaaac taactttcca aatttttgcc ttgcgaggaa 120
 atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc cgaaggaact 180
 agttccgctc cggagtatga cagtcaccgc tttaggagcg ctgtacacca gcagcgcttc 240
 gaggccatca agggatggtc gtttctccgg gagcgacgcg tccagctcat ggacgacgag 300
 tatactgatt tccaggatga aatatggcgc cggcgggtgga catcactggt tactcccatg 360
 gccaaagtttg at 372

<210> 22023
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22023
 ntgaaaaaca ctttttattt tatatcactt ggccattctc tttgcttatt caattaggaa 60
 ttcccttcct aatattctag tgatcatctt gatgttgga cttgtaatct tgaagtattg 120
 tcttgaattt taatcttgaa aagccattt gcatcaattg caacacatca tcatgatcat 180
 catcaaaaaca tcaaagccaa ttgcatctac acatgtgtcc tccaccttcg agattggagc 240
 tatgtttcac gattgcctaa gtgcgggaccc tcaaggcaat ccgccattct tccttttttt 300
 atcggaacc catgaatgtt attgectagc gctattcatg tgccct 346

<210> 22024
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 22024

ctgatccttt gaaccttgaa ccctgaaatc ccggcgattc agctcgcacc cgggagcctc 60
acagtcttcc gcagctgcc a gctttactat gcgcgaaata tagtgtgcga ggaacatagg 120
ctttttgcga cttgtacatc gcttattcat gctcattaat cgaaaagaaa agaatatgaa 180
cttttgaaaa aatatagtag ttagatgatg cgtgggtctat attcttccct tctttctaag 240
agaaaactga tctaattacc acaaccgta tatagaaaag gctttgtcta tatcaagaat 300
acaataaaga gcttgaaagg tgagtttcta tctatatcgc tgctttttgg cgccatctcc 360
gatgtgctgt ggatctacct cctttaagga ccaaaacttt attttaataa acaggtgccg 420
aac 423

<210> 22025

<211> 408

<212> DNA

<213> Glycine max

<400> 22025

ctatgaaact ccgcttgatg cagatagttg tcgctgcgac ttatgcttct tatacaaaca 60
aagaacaagc tgatcaccga aattaatccc agtaacagat tgaatagacc gcataactga 120
ctcaacaagt gtgttctcat tgcaatccaa ctcaaaagag tgtccattct cagcaatatg 180
aacaagcaac tggccctgat ggactatact tccagtcacg ctggaactca tcttattcac 240
caatcaatac atgaatcaca acctcttctt ccacccaaaa agggaaccaa tcaaatagca 300
aacatagagt tcaaaacaaa ccctaaccaa tagctgaaac acaaaacacc accaaagcaa 360
atccaacacc ctttttttca ccacacaata tattacttca ccccaaaa 408

<210> 22026

<211> 364

<212> DNA

<213> Glycine max

<400> 22026

agcttatcat ctcagttctt cttatcaagt agatagatca tttttaaggt ccaacgcctt 60
aaaatgatca cttttcaagt aaaaaagaat tgcttgattc actcttataa aagaactacg 120
tatgtttgat ttctctctcg atggagggta cgtaagagca aaagccccgc ttttgtcgac 180

ctcaaataat aaaaaagaaa taaagttaaa ggtaacccaa ttttcacatt tctaaaaaat 240
 aggttgctgt cttttgagac aaacgtgaga ggtgctaata ccttcctcaa acgtaaatac 300
 aacttccgaa cttagaatth tcgtttcgac cggtttcctt cggtttttcc gacgttttcc 360
 acaa 364

<210> 22027
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 22027
 tgtaggatta tgggggttccc gtcatatgtg gtactatgtg caagtcgact ctccacatcc 60
 acaaatccca cgtaaatcca ccatccccag ttgcccacct tcaactgagc tcacgtactc 120
 ccacgtagcc catatgctta ttctctcaa caccgggtcc ccatcaatcc ctccaagctt 180
 ccacatacat tcaagaaatt caacatccaa catcatgaac tatcaaaaac caagaaaaca 240
 gggcagaggc agaaaactct gcccaaaaaca caaaccaata ccacaacctt ccttactcaa 300
 atacccaat aacattctct tcgttccaat ctaatcacgg ttggatcgac tcaaaaaatt 360
 tactggaggt ccctaatacat aaatctacat ttgaccatt gtgatct 407

<210> 22028
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22028

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 aggggacggc tctactgccg aagtttgaac gttaaccccg ggaacttgcc tttgtcgagc 120
 ccaaatactc atttgttggg ctgaggtaca tgtcatatct gcttagctct ttgaagactt 180
 attcattgac tgtcgcgtgt tgaggtatgc cctgaaacat gaagaccatg ttattaaaat 240
 agaccacaat gtctcgcccc cttgacactt gcaatacagg tacaccaaaa catgggtctgt 300
 cccacgccc tccttatggc gcaagcatga acctccccat aatgtagcct ccccccggtg 360
 atcgttttcc tccctatttc caccggcgc cggaacaaac gtcaagatac tccactaaca 420
 ccccgacggc ggatccccctg acaacc 446

<210> 22029
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 22029

ggaagagaaa ctgaggcctg aactgaaacc tcgaaaatca gtgacaccat agacactgaa 60
 gctgcgaaaa aacagagagg acatttagta gcgaattttg acgataaggc gcgaacggga 120
 tggaaaaaac cacaaaagtc aagccatagg gaagggcaag ccaaacgaaa gagaaagcaa 180
 acaacttgaa gaaacgggaa cagaaaagaa agcaactgtg accaggaaga caaacgaag 240
 ataggacaag aaaaagacag aggcctaata acggagagaa aacaccacgg aaaggaggag 300
 aaaacagaca gggaaccaga gaagtgcaca acaacaaagg ggaccacaac aaggaaggaa 360
 aacaaacaca tggaaaccaa tcg 383

<210> 22030
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 22030

cgtagtgtct gatctctgac ctgaaaccta aatacaccga agaaacgttt tcacaatttc 60
 gcttgacggg cgactcctac atgtataaat aatcaccacc caatgccttc tcacagagcg 120
 ccggtcgaca ttatcccatg cgctgcagg agacggggct catcacttcg ttgagattcc 180
 gaagcttgaa acaaccggtt ccaccagtgg aacgtcgctc caaccggtgc aatcatgtct 240
 aagcattgac tctctctcgc ccaatcatac acatattcac acgtcattca taggctgtga 300
 ctaacaccat atagattgat ctaccagtcg cactgtatat catttcattg cgaaacgtct 360
 taaaagtac atacttctgg tgaggtgcac aaccaatata tgtacgcgac agtcacgcgc 420
 gtgacacgac gtgatgacc 439

<210> 22031
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 22031

agcttatggt tgagactgag catccctaga aatatattct attttctact actaaagtaa 60
 aaatggttaa aataaattaa aatatgattg ttaaggtaaa aaaaaaaaaa aggatataac 120
 aaaaattatt aacaaccaa actattgccc gcattagaag tgaactatat tttattttct 180
 accttcatgc acttttttca atctaagcaa ggattaaaaa aagggtttga caccatgatt 240
 tcggccacaa tatcaagggt tctggagtgt ccctaacaag agtggccaac gcattgggtca 300
 cacttgtctg caatttttcta catatcacta ttacataatg tcctagtttc aatatattag 360
 agttaaccat gtttactaaa tatt 384

<210> 22032
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 22032

tgacggacta taccaagctc taggaaccag ggacgtagaa agatcttata taggcttact 60
 aagggtagag agaggaagac tacagatttg gatcacgtaa agtgtgttaa ggatgaagaa 120
 ggcaaagtct taatgcatga aaaagatatc aaggaaaggt ggaagggtgta tttccacaac 180
 ttatttaatg atggatatgg atatgactct agcagtctag acacaagaga agaggaccgg 240
 aactataagt attatcgtcg gattcagaaa caggaagtaa aggaagcggt gaaaagaatg 300
 agtaacggta atgcggtggg gccagactac atacctattg aagtgtggaa aactcttgga 360
 gatataagtc ttgagtggct caccaaactc tttaatgaaa ttatgatgtc aaaacgcatg 420
 c 421

<210> 22033
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 22033

agcttgtacc tatattacaa tgattgtaga taatggtatt gtaataatgt tatccaaaac 60
 taacttttat tctggagaaa caaaaaattc ttaaagcaca aacactacaa cttgaatacc 120
 atcccatca cctattcatt atttaatttc catgctatct tttcccaatg cagggtgacac 180
 tatcattgtg aaggaaagac aagtagatca tggaaaagga attaagacag gaatatgtac 240

tctggaatct cctcagctgt tgttgttgca acaatagcag cactgatggt tttgctaaat 300
 ttcacatgct ttttcttccc aaggtaactt cttgggtgaca aaacattgag aaaaggacta 360
 gctgcatgag aaatgataag t 381

<210> 22034
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 22034

ctgaaattct tcaactggta tcgattacag gtttctggta atcggttaca tagttatatt 60
 ttgaagggtc atgacttttc aaattgaatt tcaggagttc cattactagt aatcgattac 120
 acatcaatgg taatcgatta caacttttaa attcaaattt caaaaccctt cttaaagctg 180
 attttcaaaa ttgtcttctg gtaatcgatt aactgccta gtaatcaatt accagagcct 240
 tggatgttgg aaacaaagtg ttttgaggaa aaagcttgat cgaccaatga gattgtttga 300
 ggccttatct ttttcttgat cttgaattaa tcttgaagca atgcttaacc tcaaaatggt 360
 tgttgaagca accttgtttg attctacttt ggcatcatca aaacctata ttcataca 418

<210> 22035
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 22035

agcttgatcc ttgaatcttg attcttgatc cttgaaatta actttcctct tgaatcttga 60
 agtgttcttc aactttcttc ttgaatcttg aactcattct ttgattgacc tttgagcttt 120
 ttgtcatcac ctttgtcatc atcttctggt atcatcaaaa catctttgaa tcaactctga 180
 ttcaccatga agctttgctt ctacaatggt gacacaaaca gataaagtca aacataaacc 240
 aaaacacaac aatactttta caaaaacaac agcctgaatc ataaaatctt taatcactct 300
 atgaaattgg aaacccttgt aaccaactgg caatcctact ttcttgccaa taaaatcaaa 360
 tcattacagg tatt 374

<210> 22036
 <211> 409

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22036

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ctttgtcgac cccaaaagtt ctttttttcg gttgaggcac atgtcgtatt tgcaaagctc 120
tttgaagact tcttctaggt ctgccacgtg ttgagttatg ctctgaaact tgatgaccat 180
gtcatcgaca tagacctcaa tgttttgtcc aatctactac ttgaaaatct ggtccatcaa 240
tctatggtat gtagcacctg ctttttttag ggcaaagggc atgaccctat agcagaagtt 300
ggcatcctca gtgatgaatg tcattttctc ctcatTTgga gcgtgcatcc ggagtagatg 360
tctaggaagc ttagtacttc gaacctggac gctcgatcaa atagcttat 409

<210> 22037
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22037

agctttctccc ccaattntct ataaataggg ggagaagtga agtgaaaaag gggtgagccc 60
cttangcact tctctctctt tcgaatttgc ttagaaaaat tgtttccgtg aagaaaattc 120
aagccgaggc gtttccgtaa cgtttccgta acgtttccgt gagtgatttc gcgaagggtt 180
tcgaccgttc ttcaacgttc ttcatTCgtt cttcatcgtt cttcgggtctt caacgggtaa 240
gtacctcgaa ccaagctttt cgattcattc tatgtaccgc tgggtggtcca cattgtgttt 300
cgtgcattat tcttctcgtt atcatttact ttccgtaccc cttttgacgt gcttaagcca 360
ttttatttaa gt 372

<210> 22038
<211> 415
<212> DNA
<213> Glycine max

<400> 22038

ctaagcttct agataacata gtgcatagtc tgtttTtgca tttatctgtt agtggattta 60
gttggtttga caaaatctac ttaatgtcat gtttatattg taaatggagt ttagaaacga 120

tgaatgaaga tcaacagaac ttgaagaaaa tggctaacat aataatgaag attaacaaaa 180
aagcagagga aatgttcaac actgtttata ttatggatta ggtagaaat ttcaggactg 240
ttctaaaata aacatgacat gatataacac atttacttat attattttgc ttgttaaata 300
tagccttatg gtgaactcag taggtcattt gcttatatta caaccaagat ttggtgagcc 360
cagctttact agttggatgg atagaactca aagatttcta tgggatcacc ggaaa 415

<210> 22039
<211> 352
<212> DNA
<213> Glycine max

<400> 22039

cacataagtc gcggccggga cggggagaac aaaaccatag ccggcactga tgaatggcga 60
gaagcccaaa tgcaggtacg cggaaccaa gtttgtccct tcgctatcca agcgactccg 120
accactagc cgataatcaa ccaaagtcg tcgcagccaa cagacatgcg tggaggccca 180
gccacgaaat aacgcgaagg gcgggatcat acccacaagc ctctatccgc cgccatcgac 240
tgaacatatc agaaggcccc aataccgaca acaacgaggc tggactcctc atacatcaac 300
caataacaga agcctatcct ccctaaggac caagagggcg gaaagaaacc cc 352

<210> 22040
<211> 412
<212> DNA
<213> Glycine max

<400> 22040

taactaaatt gtttcattg actttatgag aatgtctctc tgaacaaact aagtagtgag 60
accacattgg ccctagtttt gggtgattcc accccaaaat tttaatcact aaaaacaaat 120
tgcattgagtt gaagtctaac tatccgaagc caatgatgtc gtgtacctta tggcgtcggg 180
agcgatacac aacttttggc cataagtctt gactattgtt cgttcaagca ttacacgtgc 240
cgttacgata aaaaaataaa tagcaatgat gtcaataact ctatctaaac tagattccag 300
ttgtgacaaa accaagattt cagtttaatg gagaaaaata gttattgtat gaaaatatga 360
atctcgatat ggctcaacaa atatatcata cgttgttatt tgaatcaatg aa 412

<210> 22041
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 22041

agcttgtaga ttttataggt gggcgaatcc ctagataggt tatgggtcttt gcaagcctaa 60
 ccaaggtaag ccattattca cacttatcca tttttataa aattgcactt tcttcgcaag 120
 attaatttga gactccccaa atgggtcaaag aagtgaccat gttaaggaat gtacttgggt 180
 atgtaattgg gttaatagct caaaaagtga aatccccttg agtaaagtgt caacatggca 240
 tatcatgata cttagatatg tgcactcaca tttatgacta gagaataatg tggtacttga 300
 tgagtttgtg ttagtacatt gatattgaaa gtgtgaattt tatatatata tatatacata 360
 tatatatata t 371

<210> 22042
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 22042

tactcagcta ctccgcaaatt ggtggcctct agggaaatgaa gctgttattc tttcttctga 60
 ggacccatgg acactaatcc ctgacccaac aaaaattcgt gcaaagggtg ggccaaatcc 120
 accaggggta tggatggaat aaaatggctt ggaacatctg agcaccgcca aaaatgtgggt 180
 tgatgtggag caaaatgggt ataaggcggt gatgcccaca gcgatttgag cgcgggagtt 240
 gttcatttaa ttgatttatg tatgctacac gagtgacttg tattgggtta agctgtcttg 300
 aatgtatata ctttgtgggt ttcaatgaaa tcgctagtta gaaatattac ttattttgggt 360
 ttgtgcagtt tagttattct ctttaacatt acttattttg gaatgtact 409

<210> 22043
 <211> 310
 <212> DNA
 <213> Glycine max

<400> 22043

tttcttgcaa gcttgtctac tactgaccga catgcgtcaa gcaaggctga tcagcactgc 60
 taattcctac ttcaccctca aacatactct ctgaggtaag ctggttacgc tattcttctc 120

ttgagcttgt gttctttatg caccttagct actgcttget cccatgagtc tgctgtgtga 180
 accgctccct tatcactcac cttctcatta ttttagttac aatcacacca acagatcata 240
 tatcatgcaa caaataccac ttccagacta agataaaaaga actaatagag agatcttcta 300
 tgatgccata 310

<210> 22044
 <211> 413
 <212> DNA
 <213> Glycine max
 <400> 22044

tttgtgttat tctaggatgt gttgtccgtt gaaaatttgg taatttttagg aaagtcaaac 60
 caaaaaaaaa aactataaat gatatgaaag acatcaaaga aaagtgcgaa cagaaagctg 120
 agagtgtctga aaagtagaag aacgcaaatc aacttgtctc tgatgattga taaaatgcct 180
 tacaatttgt tgatacataa gtttaaatta aaagataatt cccatttagg ccttgaaaca 240
 aagataccaa acctgcacga ttttttaca ccaaagaaca tatgaacaag cgtctcagca 300
 ccatttttga catgctctac attaaattat taaaaaatg acattaaaat ttttaataata 360
 aacaatatta aaattatatt aaaaaaatat aaataatact cattaaatta aaa 413

<210> 22045
 <211> 327
 <212> DNA
 <213> Glycine max
 <400> 22045

agctttcttt tatcagagaa gaggetattc tcttgggtcca agcccttggg gcttgcttta 60
 agccatacaa tgccttaagc aattagaaca ctctatcttc cttgccttag atctccaaac 120
 tacgagggttg ttcaacaaac cacctcgggt gccaaaggtac cacttcaggt aaagctgaca 180
 tttacattaa tctgggtata aagaccaatc tctattatgg gcttgcgcaa ttaccaacct 240
 tatgggttca agcctagcta ctggaccata acttcagaat gatccaaacc agatttttgg 300
 aggacatcct ttgcaactaa ccttgct 327

<210> 22046
 <211> 406

<212> DNA
<213> Glycine max

<400> 22046

tgtaaagcat tgatttgata ctgcttcttt catcatgtgg ctcatgatgt ttacaattta 60
atgatccttt gctaccctgc aatgagacac acacagatac acaatcacac acacatagag 120
acaaactcac gcagacacaa acacaatcac acattcacac ataatgatac acacacacac 180
actcacatac agagtctcgc acacataaag acacagacta agacgcaaac acactgtgcc 240
acaaacacac agagagaccc acacacaaag acacacacac tgagtcatat acacacacat 300
acacaaacac actcacacac atggacagac acacacacac ttattgagac aaacactcac 360
acactacata gatatagaga caacttctta cactcacacc cacaca 406

<210> 22047
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22047

atttctaggc tcctctactt tgcactatat gacatactgt tggtttaagg ccaagcattt 60
ntttttcaca agctgctccc ttttaagatgt taatgttgct gagaattgat tgccccctta 120
ttaagtcatt tcactacgga ttattctgac ttctgggcat ctaattgtaa gaatggagtc 180
atggagaaaa tgctatcaac gtgttggtgt atgggttaat ctttgacggg agcattcatg 240
tgtttaacct attgagtatc ttatctcctt atttagcaga tcaaaattga gactttaaaa 300
cttttatgtg tgggatgctt ttagttaata attactttgg acattcgaat atgttgccgt 360
g 361

<210> 22048
<211> 312
<212> DNA
<213> Glycine max

<400> 22048

agcaacgttt attctcagca ttatttaatt ttttgcttcg gaatggaggc ttccattcaa 60
actagtatta ctgatcttaa tgcttgaatt tactttgcag attctacttc gattatagta 120

caacctttgt gggagcacga aagatttgc tccatcctgt gaactgttct ttgtccttg 180
 tgactgtgct cctttatggg gttatgtatc cgctcattga tcggcttaaa ggaaactggt 240
 ctccagacca ctttgaataa acttacttga tgggcttata cggatataag gtatttggtt 300
 caattgctct aa 312

<210> 22049
 <211> 777
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22049

gacgggggan nangctggat acnctcgtac tngcanancn ttngtaancn actttganaa 60
 caacnanagt atannaanaa ngaataactt atcacgagag tangcgggca cgatttcgtn 120
 tcacagnata tttctncgcg ctcttactcg cagggcgnga tatcacacag tgtatagcat 180
 agatcgacct atcttactcg acattaatat acgtacagat aaaaatgtat cgggaggtgc 240
 ntaccgcgct cagatcgctg atcttacgta acacgctggt gaaaatgcac ctgactatac 300
 ggtanctgat cgcaagtgtt gacacaggcg aacagcaacg ttacaaaata ccangagtca 360
 togtctcgag gtatacatgg agcgacgtac gtacngtcga ggactacgga accgcatagg 420
 agttctaccg tacacgcaca cagtgtgcgg atccaggtct catcgacgaa gtagatcggtg 480
 tcgactacga gagagtggac acggtctcgc gcgagatata caacgtggag gtacaagtga 540
 cagatgagag cagatagaga taatgacgat atagagaaag ngatagcgcg atgatgagtc 600
 gcggtatgac gagatcgnta ggtatcgctg ctacatatc aacncgntat atgcgagtac 660
 gcatgtcgat gatcgntant atggacgaga tactgtgctc atngttcant atacgatatc 720
 ctatactatg tatgnangta tactatgaga ctgagcgta tgcactatgt cgcgcgg 777

<210> 22050
 <211> 693
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22050

actacctgan naaactgatg ccgtcgaatt tgacnaatt tagnaayatnc cnagnngaca 60

ctaatatata tacataagct gtctctatcc aaggacttag tcttgattgt tgaagacgat 120
 atttttgcat ggctctacag ccctaatagg gatgggagcg ctatctgtac acacactctc 180
 tatgtttcat tatagatctc ttactcgctt aggaaatcat cgacacgagg gtgcgtataa 240
 tcgctctcac cactatctaa gaggacatct ctatatctga tacatcttcg atacacgaat 300
 tcacatcgca tctcacgaat anacatacat ctctcgagcg gaggcgctta gaactataca 360
 atngatataa taacgtactn ccgtcatcta tatactcgat ctcacgctac attggactat 420
 gactgcacgc tcccggacta ctcaataagt gatatatcgg tttgtgagag tgggtcaacta 480
 ctgngctggc ctactccat agttaccctg cgtgtctcca ttagctctat atactgtcac 540
 gactcataca ccaataaacg tggacaataa catacataag gacgacgcgc accgaaccat 600
 gtgttctgaa cagaacaata cgatcgacac aaccgcagtc agagcgtacg acacctaata 660
 taaggcctga actggttctg gtaccacgt tcg 693

<210> 22051
 <211> 960
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22051

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 ctagtgaacc aacttttttg atnanactct tcagcttttg tcgcggnaca cgggtgcctac 120
 actacatgat ctcttatcat tataattata tcacgtgaca cataattaac agttgtgcag 180
 tgaagatagc atgttgcagc gattagtgtg tctgagactc ctctggagcg taatgcgata 240
 gggatangaa gaactgtggt cacctactct acatgcgcag tcacacttgg ntatagatat 300
 tgtgtgtata catgatgtgc gtaggacatg agcagctcga tcattataac gtatatcgat 360
 gacgaccgng cagcntgat antgacgagc gcatgacgga tacactgtcg tgcacatcga 420
 gngcctntga tacgtgcata ttncacgca atcaagtcga ctgctggtat gncanactca 480
 ntggactang agattgcgtc gtaatcatcg antgcntaac gtcgtcntgc tagntgcact 540
 agttcgcgta attacgacgc tgactcgtac tcagtttgta cgatgcgtnt ganctactta 600
 canatnacga gcagtattct gaactantgc agctantgac tgacngtaat caatcgataa 660
 tcgancgagt tctaatagagt nnggtaccng acgtctgcta gtcgacngtc ggtcaggctg 720

atcgctgaaa gtacgcagta cntantcgaa tatacgatga ggccatggcg aacacccatng 780
 ntcgaganta agtcccccggt cgtagtactg atcgctctgac aatctgacca tcaactgcgac 840
 tgcgagtgca attgttcatt gtggctcgta ggcgtgancg agtagcatgt cgacgacgac 900
 cctgacngca gcactagntc gtntattacg cagcnatcac taaccaccag tcgctccacg 960

<210> 22052
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 22052
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 atgtgattgc tacaaccgga gtcgagaaac caagtctctt cttgttgcaa gttgtcagct 120
 tcgacaagag acatgagcag catctcttct tcttcataaa tctcagcata gtttgcactc 180
 tccttccatc ttgggcattc gtattggaag tgtcctagtt tgtggcactt aaagcactcc 240
 actgtggctt tgtttggaga ctgccttccct ctgcctctgc ctgcaccccg accaaagcct 300
 ctacctctgc ctctacctcc attctgttct tcatgtgaga ccttcaatgc ttgtcatcc 360
 cttgtgtcac taccatgaga a 381

<210> 22053
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 22053
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 cgcaaaaatg aagagtcaag cgagggagaa atgaacagtc aaggataagg ccaaatttaa 120
 aattaaaata cacacacaca aaaacaaca cattttcata taaaaaattg gcgccgattt 180
 gtgttccact aggacattct aaggcggttt caagaaactg tcttagaatg tgtgtcataa 240
 aaaaataatt attcttaatt acagaactgc caccgcataa cattctaagg cggttatgta 300
 taatcgtctt agaatgcgcg tcgtaaaaaa atgatttttt agtagcgggg tttgcaagtt 360
 ttgtatcggg tatgttcttt gtgcttcttt gttttcagtt gatgatgtgg gatataaagt 420
 ctct 424

<210> 22054
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22054

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 taattatgac cttttaagca ataaatacaa tccaagttgg aggaatcatc taaatctgag 120
 atggacaagt cctccacaac aacaacaacc tatccctoct tttcagaatg ctgctggtcc 180
 aagcaagcca tatgttcctc ctccaatata gcagcagcaa caatagcagc cacaataaag 240
 acaacaagca gctgaggctc ctctcaacc ttccttagaa gagttagtga ggcaa²atgac 300
 catccagaat atgcaatttc agcaagacac aagagcctcc attcagagtc tgacaaatta 360
 gatggngcag atggctactc agttg 385

<210> 22055
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22055

accatgatct caccttaacc ttaatgtatt ttggagtttt ggaattgttt tgggaataag 60
 tctgggggggt tttgttggat aacatatttc gttggctatg tttcatgatg tattttgggc 120
 catacttgat gtacattgta tactggttaa atgttggaca tgctgaatga tatgctat³tt 180
 ctcaa⁴atgct acagttcaaa aaaaaattag ttgaatcaat tcgaaaaaaa aagaaaaaga 240
 aaagaaataa agttgagtga ataagatc⁵tt aaatggaaaa agaatgatga gactcttggc 300
 tntactctnt gcgtttaaat tttatcttta gg⁶ttttctta ttttttctta atatgcactt 360
 attccccatt actcctctat tcctttggga tttagctatt tattccatat ttttcc 416

<210> 22056
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22056

tttatgcaag cttctgcgta gaattgaatt ggaaggagag gggagaatgt ggaattggaa 60
 cttacatggg acgaaggcga ttatgagaga gacgacgact gcgtcggcaa tagagaagat 120
 cacgggctaa ggggtgctttg ggggttttcga gcaagggtgat tctccctctt gatctcggag 180
 gaggtgctga ctgcgtcacc gattcacagg gcatcggttc tctgcttacc agttgtctgc 240
 ctccgggttc cattatgtcg tccacgaaca cgatcaattc acattctcac ttggattgct 300
 tgggttaaaac atcaatctcc tctgtcactt tcacattaat tattgttctg ggctcgatcc 360
 cctgtgccac ctgaatt 377

<210> 22057
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 22057
 tcttgaaatg aacaaggtat gagtattagt tgatattatg cctgaataga atattaattc 60
 atttaaggaa gatcccaaaa cttgcattac ttctacctaa aagtaataat gggttcccg 120
 caaacacact acataagctg aaatagcact tttatgattc tagcaatata tatggaggta 180
 gacaaaccat atatgtccca actagagtga tgccttcaat ttaccccagt ttaattttta 240
 cttttaagtg ccatacaatg tttccttgctg tgctgttggt agtctaagaa taaaatttgc 300
 attgattaca tctttaaagg tctgtgtact gattcttctt ctcaacccat gttttttatg 360
 caatatggca tggaattatt tttgaattgc tgtttctcaa ttgttttat 409

<210> 22058
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 22058
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 tatcctgccc atagatagta aggatcgagc cttgggcaaa tggccccaa attgggaagg 120
 accgtataaa ataattcaga tctattcgaa tgggtgcttat gagttagagg agctaacccc 180
 tcagaaacgt actttgagca taaatggtaa gtatttgaaa aaatataaac caaactgct 240
 cgaagttaaa ataagcatag aataagagaa atacgggaaa cataaaaaatg gcgataacag 300

taaattgccg caaaagggca tgtgtcaata ttacatcgaa aagtagaatc gaaatacaga 360
attcgaaata aag 373

<210> 22059
<211> 407
<212> DNA
<213> Glycine max

<400> 22059

tcttatccaa ggctcatctt ggtgggtgaag ctcttcttct catggcttat tccctagtgg 60
gtggcgccct ctctcacctc ttctcatttg tcttccgctg catctccatg gtggaaaatc 120
accattaaag gacctcattg aagctcaaag atccagcctc catagaatcc ccacaagcaa 180
gcttccatca aaactatcat ataaatttta gtcatgatag tcaccaagaa ttaaaggatt 240
ggttgggatg tcaagcgggt caatcatgta ctgggtcaca tacgtaaatg cagaatccac 300
aaaactgcaa gaacaacaaa gtgagcaatg aacatggttt gaaatcaaat tttgacaaaa 360
gtatcagagg tacaacatta ataatggcag aactgggtact ggtttgc 407

<210> 22060
<211> 370
<212> DNA
<213> Glycine max

<400> 22060

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atactatcta tatatgtata aactatttgc tcttaaaatt taaaacaaaa gaaggaagat 120
taaactcttg tgagagcaca ggaaataaaa gtatataact gagtcaaaga ttaacaataa 180
atgctaagta cacatttgat ctttaacaca ctttttttaa tatctactgg attttttgg 240
attaaaagtt agtaattttt tttaaaacat tgtgaatttc acatcatatt taactaatc 300
ttcttgattt tataattttg aacgaatttt aataaatgag agtatgtgtc aaataattaa 360
tcaattaaac 370

<210> 22061
<211> 393
<212> DNA
<213> Glycine max

<400> 22061

ctcagctatg ctttccagta ggatatttct gattagcctg cctgtcgga tgtgacttca 60

tttgtatgac gatttctggg ctatgaagct tgttggttaa aaattgcggg ccatgaagt 120

aagttcattt gtcctatttt tgtgaccatg gaagtttaa gcataactat gactcaaata 180

tcattttctt catctgtgaa tctctatcct tttttccccc ttttctcatg ggagggttagc 240

tctgcttctg aattgcgtgc tttgagtatg gcctctgtgc tactaaagtg aaaggggatt 300

tcatggattt tgtcatacta tctttgtact ttgggtgtgt atatttcttc acggcaagaa 360

gataatattg ctgagtacta tcagcagcag gtg 393

<210> 22062

<211> 360

<212> DNA

<213> Glycine max

<400> 22062

caatctagga tatgagaagc gtagctgaca ctcaatctct ggaacgttat aaccagaata 60

tagaaaccat atctctgtac gtagaccaga taatcccaac aaaagaaccg agatcaagat 120

caataaagca tataagaatg aaaaaagtac cgaagcctcc aaaagtatag ggcaaacaaa 180

ataaacaagt tcttattcgt ggataatcta acacaagcca tgggcgtcga taaagaggac 240

actaaaactg tcggcgcagg aaaccatacc gataccaaat accgatgcgc taagctccag 300

aatgtagcca ttaaacaagc atttaggagt aatgagatca aggggaaata aaagataacc 360

<210> 22063

<211> 396

<212> DNA

<213> Glycine max

<400> 22063

tgagatgttc acatatccct ttcattgatct ttgcctcgga gatgattttt ccttggtttg 60

ggttgtttat tctacatctg cttttctcac ggaaaccttt tgggaagttt atattcttta 120

aattgttggt tgaaatttat taggacctac caaattttga gtaccacccc atgtttatta 180

atagtgttta ggaattggtt ttagaaggga agggagagta aaattttcat ttcaaataaa 240

tatgtttctaa attgattttt ctataataaa agtaataaaa tgacaaattg acaaaaatta 300

atgtcttaac cttttatttc tataaattgg aattctctta atgtaaaaat taaaattggt 360
 ttttgtttaa aaaaacatga atttcacact ttaaca 396

<210> 22064
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22064

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 atttaattat ctttgggctt gtcgaccacg atcaacaaag tactttcgac agctactata 120
 tgttgatttc accaacgctg ttatcggtat gctgcgacaa tccttcaata ccttatttac 180
 acattcggac aagttgggtg tcatgtgggc atatctacgt ccttctttat cataagtcac 240
 agtccatttt tcctttgaaa tgcgatcaat ccatgttgct actggactca atggacgaaa 300
 tttttctaaa ttttcatcaa atatatgctt gcaaggagtg gagcctgcat aaaa 354

<210> 22065
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 22065

ctaagcttat acaaccaata ttctttgtcc taccatgcga ctgttgactc taacacaaat 60
 caacacttag tcttttctta aaatgaatac tacggataac attaaataat gatttttagat 120
 tttcaaggat tacaaatatt tataggtact aaaattaaac ttcaactcatt ttacaagggc 180
 tataaatagt gatttcaaaa tttaaattga tgaaaaataa ataaatattt ttaaagggac 240
 caaaataaaa aaaactcaaa agtcaactcat tttaataataa ctaaatacat atttaatcca 300
 ataatttata ctaatattca cattacacat gtatgaataa tttcaatggt tgtaatggaa 360
 aaacaatctt aaccgcatgc aggaaccaag ctcttttatt tcttattttt tatak 415

<210> 22066
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 22066

cggagaagta actttgtgat cagtatcatc tctccattat gttatgaacc atatgtggaa 60

ccggaacagg actaggtgat ctatctctct tcttagcaga cctcaagttg ttctttaacg 120

gaataggggg aagtgaactt agccttctta ccgtgctaca agcttgacca ttttctccat 180

tttggttggtg atcatttcta ctcaacaaca ggtcctcatc gaattcaaaa tcacttgcac 240

tgaaatcaga cccaacgtg agaagtttgt ttttattagc caggacttga tactcaagag 300

<210> 22067

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22067

cgattnagtg aacttgactg ngcatgaaaa cttgcatncc gtgaacttag atagtcagcg 60

tggacgcccc ttcttaggag cgttgtcgat tccaggcgcc atgatgggtat ttgaaccctg 120

ataaccctcg aagactagga aaatgggtcaa aggggtgcacc ctcggatcga attatcccgc 180

gagccgagct taagaccata cgagcctgta taacagcttg gaaacagggt actggggagc 240

agatgagagt acaaccccag gggggcccaa ttatagatga aaaggattca cggaccatga 300

tcagagtaag acttcatctt catgttcacg gagttctatg ctccatttaa ctgggtcttc 360

ttagagcgct ctaaagttat tcaaattctcc tcg 393

<210> 22068

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22068

agcttatgac tccgtatcta tggtgtatgg tatgaatact attatttgaa atgatatcat 60

acatacatctt tttcttttaa aaaaatttag atgcaggtat gcattgtgtt aaataaaatt 120

gatattttaa tgtaaagaaa tataaaattt atccacttgt gaccaactta agtatgggtg 180

ttcgcggggc ggttctggct ggttttagtc aaattcgga tccaacccaa tcaaatttag 240

tcggtttggg ttggttttca taattttttt taaaccaac ccaacctaac ccattcatga 300

atgggtttggt togatttata ccaatggatt acccatttaa atttgatctt tttcttaana 360
ctactattgt atatcatgat tct 383

<210> 22069
<211> 425
<212> DNA
<213> Glycine max

<400> 22069
tgccaaaatt tcaaactctaa tacatttaac ttgcgattta atcaagtctt tgcttggtat 60
tggtagcaac attgtgataa gcaatattct tggagtaata ttatgcttct attcttacca 120
tagttgttta ctttcaaaac cagattgagt tatatgaatg aggggtcttta tcacatgtct 180
aaggattttc tagcaaagtc ataattatat taagtagtgt atgaataaaa cccttatgag 240
cataattgga atatatatat atatatatat atatatatat atatttctaa ctctccgaga 300
ggaaggtttc tttcatcatg ttctgaacct tgatatcaag tgaatatatt ttgcgatagt 360
ctgttgacct tttcttcatt gtctaattat ttaaacaatc tatgtgttcg ttcaatcaat 420
tcaaa 425

<210> 22070
<211> 376
<212> DNA
<213> Glycine max

<400> 22070
agcttgaagg acattcacga agtgtgacta tatgatgtgg caatgggggtg tagcaagaaa 60
atgctcacct cccctctaa aatttaattg tattgggctt cttccaattc aattaaattt 120
agttcccaac acccacatca aatattcact taattcatgt gaaattacaa aactaccctt 180
aatacaaaaa ctagtctagg tgccctaaaa tacaatggct gaaaaatcgg gctcatactt 240
agcccatggg cccaaaatct accctaaggc tcatgagaac cctagggcct tctcttgcac 300
ctttggccca atcttcttgg agtcttctat ccaatgccct taggggtagg attgcatcat 360
tccctcccc ttgaaa 376

<210> 22071
<211> 399
<212> DNA

<213> Glycine max

<400> 22071

agcttccatc aagaagtgtg gtgagtaggt gcataaaaaa tgagatgatc ttcttgtatg 60
gattgctaag gaagattatc accgatgatg ccaccaatct gaacaacagg atgatgaaag 120
aaatgtgtga ggatttcaag acccaacacc acagttctat gccttacagg cccaagatga 180
atggggcagt tgaggctgct aataagaata tcaagaagat agttcataag atgtctatgt 240
catacaagga ccggcacgag atgctaacct ttgagtcgca tggttatcga acttcagtgt 300
gctcattgac tggggcaacc cctttctctt tagtgtacgg gatggagggt atgctcctgt 360
ttgaggtaga ggatccttct ttgagaatgc tagccgaat 399

<210> 22072

<211> 383

<212> DNA

<213> Glycine max

<400> 22072

agcttccaaa agtatcaagt taacccttag cacatctttg tagtgggttc ttctcacatg 60
ttcctatgtc gaagagttgt tcttcaaaag aactcccaca agaacaaca agacgttctc 120
cacgggtgaa gatccttact ttcataataa ccttaaagaa cctttattgt agatccaaat 180
tgatgaagat gaaaaaata atatattata gcaactcaa atcaagaggc accatctcaa 240
agcatctaaa tcaaagaaaa actcaaaaaa tacaatagat tgtgcatact accaactttt 300
atgattgaaa aaaattacca gatcagcgaa cgaggagaag aaaatcagca aaagagactt 360
catttaacta aatagtcaat taa 383

<210> 22073

<211> 429

<212> DNA

<213> Glycine max

<400> 22073

taagcttgtc gctgttgatg aagattgtcg caccaccgca cataggtttg tgacttgtcg 60
gctgccgtcg cacttggggc ccatttcttg gtgagttttc ttaccctgac gtgggtgtgca 120
taaagcaact aaaggtcttt tgtagggatt caatcaatca acctaatttt attctaacag 180

acaatcatca atcctaacca catgttttct atccatgtag agaaaaatta ttgcataaag 240
atgaataaaa cccattttgtg tttccatact caaaatcatg catabctgga ttagccataa 300
tggaattatg aaaggttgat gaggatcaag attgggtttta tgatcttcta aatgtagaga 360
gtcctttttt ttctcttaat ctttcttttc tgataggcat aaaaagaaaa caagagcgaa 420
attgtacgt 429

<210> 22074
<211> 384
<212> DNA
<213> Glycine max

<400> 22074

agctttatga tgatgaatca agttgattca agtagttttg atgatgacaa agatgatgac 60
aaaaagccca agagaatgat ttcaagattg agtcaactag tttcaagaat caagagaagt 120
ttgatttcaa gattcaagag aagatgaatt caagattcaa gagaagaaat caagaagact 180
tcactaggga agtattgaaa agatttttca aaaaacaaac atagcacagt tttgtttttc 240
aaaagagttt ttctcaaaat tttctaagtt accagagttt ttactctttg gtaatcgatt 300
actagtttcc tgtaattgat taccaatggc aaagtttgat ttcaaaagtt ttcaactgaa 360
tttgtaacgt ttcaattgat ttca 384

<210> 22075
<211> 428
<212> DNA
<213> Glycine max

<400> 22075

ctaagcttgt tcattcttgag ataataggtg gtcacctca tttgtagatg atggtgttac 60
atacttcttt ggccaaacag gaactccaat atttttacag cttctaattg tatgattggt 120
ttggccacac cttccacatg taaactcagc caatttcctc tttagcttgt cctgtgacat 180
tgctctcctc tacagatcta cttctatttt tctttggcct tcctctttgg acctttttat 240
gtggtggaac aggggtgtgta tactgtgtct gggcccaata ttgtggtcct tggactggct 300
caataaaatg ctggcatgtc ttattataag cttctattga cagccactca tgacacatgt 360
tctcaggctt cctcctttg agagttattg ttgcaatggc atgtccgcat gacatcccta 420

catcaaaag

428

<210> 22076
<211> 356
<212> DNA
<213> Glycine max

<400> 22076

agctttccaa agttttctgg ttttccaaac cttgaaaact gtgctattca tcttttcatt 60
tcctttctcca tttgccaaaa agaattcgcc aaggactaac cgctgaatt ctttttgtgt 120
ctctctttctc cctttttccaa aagagcaaag gactaaccgc ctgaattctt ttgtttctcc 180
cttctcccta gtcaaaaatt caataagaca cactctgaga attcttttga ttcttctctt 240
tctcatatac aaaagatttc aaaggactaa ccgcttgaga attcttttgt atcctcattc 300
acaaagattc aaagggttaa ccgctgaga actctgtctt aacacattgg aggatg 356

<210> 22077
<211> 405
<212> DNA
<213> Glycine max

<400> 22077

tcacgaccaa tcggttttctg attccttcac catctgttcc cctggcggtg ttaactacaa 60
cgagttcccc accattacca gcatttccca agttttcggg caaatgccta gctgttgaag 120
aattgacaaa ccgtagggac agaggcatgt gttaccactg caacgagaaa tgggtcactg 180
gccaccaatg taagccccga ttacacttgt ttatcgcata tgacaagtca gagctatcat 240
tgtctccctc agcaacagac tcctcgatca acttgccgga acctttgggc gttgactccc 300
ctcaccgag cctcaacgta atgtcgggca tgctcccca actacttttt gcatttatgg 360
gattctaagt catcaccaag ctacaatact ggtggatggt gggag 405

<210> 22078
<211> 305
<212> DNA
<213> Glycine max

<400> 22078

tttatgcaag cttttatgat tatggagtac ccatcacata tggtagtagg gggcggacgg 60

gcgatggtgc acaacaagtt ttccacatcc acaatgcgcg tatagacca ccatcccctg 120
 ttgcccacct ccatctgagc ttacgtactc ccacgtagcc catatcctcg tttatctcaa 180
 caccgggtcc ccatcaatcc tgccaaactt ccacaacatc caagcaaac aacatttcaa 240
 cagcacaagc tatcacagcc aagcaaaaaca gggcaaaggc agaaaactct gctcaacaca 300
 ccaac 305

<210> 22079
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22079

ttttaggtg aaattaggtg ctttcatttc ccttattgtc ctctcacggn gtggagggtg 60
 tgccatgttc tcagaatgtg caaaatcaaa tgctcaaat tataatgttc caaatcagga 120
 tgttcaaat caccaataac agaatgcaca gattcaccag taatggaatg ctcaggatga 180
 tcaaaaggta taaaatgatg cctaactaat ctatgaaatg tcctatctat ctcagggtca 240
 aagggttgta agtcaatgga ttgcctctag tcatacatta cattcagcat gcacaactag 300
 ttgccttgtc atgtaaataa aggtgtaggt ttgaactaca tctaccctca aatgatatcc 360
 aaatgtcttg aaattttgtg agctacctta taaaatgatg agaagatagc aca 413

<210> 22080
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22080

agcttaacaa aatgcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
 aacataaaaa gggaaaaggc aatattgtag ccgatgctct ttctcggcgt catgcattac 120
 tttctatgct tgaaacaaaa ttgattgggc ttaaattgtt gaaaagcatg tatgaaaatg 180
 atgaaacttt tggagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240
 gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
 atttgcttgt ttgtgaagca catgaaggag gtttaatggn gcattttggg gtccaaaaga 360

ctctagaaac atta

374

<210> 22081
<211> 406
<212> DNA
<213> Glycine max

<400> 22081

actaagcttg cgattggtct cgcgtgaaga tcaagttttc ttttagaggc caatttaatc 60
atcctgctta gacgaatgaa aaaactgggg caaataaaaa aggtgaggat gagggaaaaa 120
cccatgatgt gactgccatt cctatacggg caagtttccc accaaaccca acaatgtcat 180
tactcagtca ataacaaacc accttcttac ccaccaccca gttatccaca aaggccatcc 240
ctaaatcaac cacaaagcct gtctaccgca cttccaatga cgaagaccac ctttagcaca 300
aaccaaaaaa aacaccaacc aagaaatgaa ttttgcagcg aaaagcctgt aggattcacc 360
ccaaattccg gtgtcatatg ctaacttgct cccatatcta cttgat 406

<210> 22082
<211> 376
<212> DNA
<213> Glycine max

<400> 22082

aagctttctca agcattccac tcattaacaa acaagagacg atggcctaca aatgtatcat 60
atatagcctc attagttatt catctgtagt gtcaaattat aaagatttca tgtctaagaa 120
gctccttcta cttcaatcaa ttcttagact ttagtctcca aatgggatgt tataacttgt 180
acgaattcca gatgagctta tcaagaatgc caagtacata gccacaccat ggaaggggat 240
cctggcagca gatgagagca cgggcacccat cgggaagcgc ctagcgagca ttaacgttga 300
gaacattgag gccaacccgc aagcccttcg cgagcttctc ttcaccgcta catatgccct 360
ccaatacctc tctggg 376

<210> 22083
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22083

taagtttgca tttcatcaaa cattaaaggg ttacactatc acacatcaca catggttgcaa 60
 gtttgatgca agttatggga tatagtggta agttaaaaaa aaaaaaaact tatattcaat 120
 tcattttttt taaaatgagg ccaaaatcca acaaaagcat atacgcatga cttttttttt 180
 agattgagtc atgaccagat taatgtaaaa agttccaaat ttaattcata ctaaaaaatt 240
 taagttcgat toctatatac atcgggcatc tttgggtcaa gttagttgct aactggactg 300
 ggttggtgga agcattgttt gcataagctt tttgctggct aattaagact agattatgtt 360
 aaaacaacct aaattaattt gtactcaaaa tntaagtatc aatctacaca tt 412

<210> 22084
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22084

agcttacaca accactaaga tcatcttagt accgtttcaa gtttttctgc tttagataag 60
 tctgggatct caatcaaate tggggagtat ttaaggtcaa ttttctttaa attcacaaga 120
 ttctgtaaca agaaaaaacc atcacaatgt tcagaaatta ttaaattcat aatcacggcc 180
 ttaactaaaa gagaaatcta atcattcaga tgagaaagtg gtgaatagtt aaacatagaa 240
 gaatcgata tcgttcatta gtttacacat tgttagttga attatacatt tcctagggta 300
 ctatttgata tagaccagaa ctccagaagg gaacctgatg gaggttntcc cgaacagttc 360
 tgg 363

<210> 22085
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 22085

acactataaa actaagcttg gtataatgaa tcttgctaac ttaacaaagc tattattcac 60
 tcattttctg caagtttcct tcatccatta aagttgatag cgttacacat ggccgttact 120
 gtgaaaagag agatagtggtg aactctaaac actttttgta gcatactctc atagaactac 180
 aacttgccag tgtcgtcttg cgctcaaagt tgacttttag tgtacaaatc aaatataaca 240

ttaacagcat aagacaaaag gaattaagaa tattaagaca agacaattta aatcttcct 300
 tttgtgcgtt gtggcacgag ttgcttattg aacctatgga cgctactttc tgatgattgc 360
 tttttgtact taaggataga gtaattgttt cattgccttt gtactatgag cg 412

<210> 22086
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22086

agctttatta gtaattgagc catatatatt cttattctct ttattatfff atacaaactc 60
 acgaaacata ttctttcctt cgcttatact cattctcact gtctcagcac cttgccaaat 120
 taacatagct ttaattttctc tccctgcttt ttatgtatca cctatgcata tctctttaat 180
 ttattcatct gcgtaacttg ccaaattaac atagctntaa ttagtctttc attttgatcc 240
 ctttcatttc atgcatggat gattccttta atatggaaga tagacaaatc acgtacatgc 300
 actgtactta actacacaca gcaggcaaag tgggtggtggc caatatctgc atgtatcgaa 360
 agact 365

<210> 22087
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22087

gagattgagt ttccattct tgctgttatt gtcagtaatc aattgccact gtttggaac 60
 tttatctgct ggtaccatag atgcagataa gttgtatgga gttaagtttc agaagaaatc 120
 agaagctatc acattggata ttgatctcaa ttctaccatt cggaatgcat ttcaggcaac 180
 ggtatgtgtt taattttttt tatttgaaca ttttgtcaat gatgtgtgtc agttagagaa 240
 ccttttggat ggaaagtgca tggatattgt tagcaatcat cacatttata acctttcgac 300
 taagagagtt cattcacaat aggattttgg gaaatattca tggacgcttt tagagacaag 360
 gcttatcttt ttttcttnt tttttttg 388

<210> 22088

<211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22088

agcttggtta ggatgcttca atggaggaaa agaagagag agagaaagag agagggggga 60
 gcacgaaatt gaaggaagaa aaagagagag aagttgaact ttgagttgtg atgcaatcct 120
 ccctaggaag ggaccagtca ctagaacat aagcaagaga ctccaagaag attgggctag 180
 agctgctgaa gaaggcccta gggttctcat gaacctcagg gtagatttct gagcccatgg 240
 gcctgtgtcc aattatcttt gtacatatta gactaggatg tcattatatt tggtccttgt 300
 atttagggct ccatattgta ggtagggtac cctagacata taggattttt tcagcccttg 360
 tatttttaggg cacctagact agttnttgta tt 392

<210> 22089
 <211> 458
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22089

tgccgcccag ctgcccagg cgagcaagg tgccttctcc agaagcttta tcttctgga 60
 ggaatcttct ggagggccca agtgggcctg gttgctatct acacccccct ttttactaaa 120
 tgcaccccc ttttctatct gtttgtaatt ctttgtccgt aacgttacgt aactttacga 180
 atttcgaaat gatacttatt ttccttcgc aaggttacga atccttacgg attatgtatt 240
 tactctttct tggctttcaa agaagttact gaaactcacg gattgctcaa aaacacgtct 300
 tttcgatttt cgccacatta cggaatttca cggattacgc aagcctgctt ccttatggat 360
 ttctgagacg tctcgggact tcatttattg catgtcatca agtaataatc cccggacgaa 420
 attanggtat gacaatcgct agcggtatag tacatatt 458

<210> 22090
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 22090

agcttcattg tgagatatgt ggttaaatta aataagatac cttttttgag caggatgagt 60
 ttcttcaaaa attagttcaa aatgctagta tggcagtatc tagtaaaagt ttgaatccat 120
 gcacttagtc ttgaagattt aaatctatga actaacagga ttttccatga aaaagaggct 180
 atactgatgt tgttgaaaca acaaaaaatg catatttgga ctaacattac cgtagaatgc 240
 tcttcaagaa aatatcatga ataaaatatt gaatggagtt atacctagct tggattgaaa 300
 atgaacaaac gaagagtaaa aacaaaatat gactatagaa catagacaca gaatgaggtc 360
 cacaaggcca aacattcata tgaaaa 386

<210> 22091
 <211> 468
 <212> DNA
 <213> Glycine max

<400> 22091

aagcttcaaa cacttgtgta atcaattaca atcagcctgt aatcgattaa aatagagagt 60
 tttaactata gaagaaatat tctatcctta gaacttttct tctaactcct acatgatgat 120
 gcatgatgca catatgaaaa gatagagact aagatgcaac acaaaatata acaatcaata 180
 caaatgtcac tcaagagagt tgaacatgta aaacacaaaa cttcatcaag ttgttcttgg 240
 ttctttttca agcttcaagg ctaagtcttc atgttggtcc ccgtatctct aacatatatt 300
 atgcacttat tatatgattc ctcccttttc ccatgttggt aattacttcc tgggttcaaa 360
 gatacacctc ttggaacaat aactatgttt aatactctat gcaggttggt cgccttccta 420
 cacagttcct ttttcttaaa ttacaaaaca cttatatcaa aggggaag 468

<210> 22092
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22092

agcttgctct aaatttacat tgatgtttgt atttatggga ggaggttgta tgccattttt 60
 ttttagtagt gtcccactgg taaaactaac ttccaaatg ttgccttcg caggaaatgg 120
 ccccgaggaa gcttgctca aagagggtcca ggaaggacaa ggcagccgaa ggaactagtt 180
 ccgctccgga gtatgacagt caccgcttta ggagcgctgt acaccagcag cgcttcgagg 240

ccatcaaggg atggttgttt ctccgggagc gacgggtcca gctcagggac gacgagtata 300
 ctgatttcca ggaggaaata gggcgccgac ggtggacatc actgggttact cccatggcca 360
 agtttgatcc agaaatagtc cttgagtt 388

<210> 22093
 <211> 457
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22093

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 tagagtttat ctcttttata ttagtgagag tgattctcct aaattcttga gtgattcaag 120
 aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga 180
 gtgattcttt ccttctatc atctccacc ttgttctttc aaaccacaat tccagaaaat 240
 ccacctctgc ccaaaattat ctcttgacca taactcccat ttcacacact caaattaagt 300
 gattcttgag cctaaattga atttcaaaac gagacctttc acctcgtttt ggaatcacct 360
 catttgagc cctgtagctt ccgttattgc catttctata tttctgtcca gccaccactt 420
 aacctacgtt ntaccatccc attcatccat tttatgc 457

<210> 22094
 <211> 295
 <212> DNA
 <213> Glycine max
 <400> 22094

agctttgtct tattggcttg taccatcca ctggctagcg aagctataac ctcatgtct 60
 ctacagaca ataaattggg gagccaatcc aatccttgat accggactct caaccactta 120
 tgatagccgc cgatgatcgc attactgtct atcctaagcc attatgacct ttcttcacac 180
 cgcacccat gccagcgaa ctcttgag caccctcaca ttgagggcac tgaacaaca 240
 cggaagaaa ggcgagatgc tttgatctga tggcactcct ctcatggggc agccc 295

<210> 22095
 <211> 472
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22095

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 tagcatcagg tgtgtgtcac tacaatatgt gcacactatc tttacatatg tatcttctaa 120
 ggacaacgag atatctttca caaacatgct tagaactgaa ctcttttgcc acgattatac 180
 caaacaaca agatcctttc ttttttaata agagctccca gctatacata ttacacttgt 240
 attgcccac catgtgcaaa attactaagg gtgagtcacc caaattgtga gcttaccata 300
 ctcatcgtac ctatagcata ttcaaacc aaatcaatgc gtcttatctt gcctgactat 360
 ttcaataatc gacaccgtgt ggagtggaa cctataccat gcctatgggg atgattctta 420
 gtgtgccaac tgtataaacc tcnttgtgta tccgatatgt aaaccctaa cn 472

<210> 22096
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 22096
 ttgctttgcg gatttgggtc tcgctggcga aatgatcgaa gtgggtttta aatgaggcaa 60
 atctgatcat catgctttga taaatgcaaa aaaaactggg gcaagtgaag aggggtgaaaa 120
 tgaggagaaa acccatgcta tgactaccat tcctatatag ccaagtttcc caccaaccca 180
 acaatgtcat tactcagcca ataacaaacc ttctccttac ccaccacca gttatccaca 240
 aaggccatcc ctaaataaac cacaaagcct gtctaccgca cttccaatga cgaacaccac 300
 ctttagcaca aacaaaaaca ccaaccaaga aatgaatatt gcagcgaaaa agcctgtaga 360
 attcaccaca attccggtgt cctatgctga c 391

<210> 22097
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 22097
 tcgtcaactg gtttgggagt ggaatttgca tcggatttgg tggagaatat tggaagctat 60
 gaagatatat agcagtgtcc tttttctctg ttaaataaac ttataactta gtgatgaacc 120

atatagctag gtttagcgtgt aaataatatt gaacagaggt ttttaatcat ctttgaatt 180
 gtaaagtccc tctgaaaatc gcttggcttt tttatggcgc tgcttatgag aatgtaaadc 240
 atttgttttc ctccggcctg ttcgggtacgt ttctcaacaa aattgggttt atgtctatat 300
 actttatttg aaatgtctac gattcttcat attatttata gcatatggct ctatccttaa 360
 ttaggcaaga tgttctagaa cttctacat attatctggc actcag 406

<210> 22098
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 22098

agcttacatt atatatcaaa tttaattcgt tgtctctaga tacgtaattg cttactgtgt 60
 aactttctaa gatactatta gatttgtaac ttctgttatt taaaaggact tagcacaagg 120
 aattgtgctc cttgaaagtg agcaactcag tttaaaggaa agataaagta aaagtttttc 180
 tgggtcattga tgttaaaatc ggcggtcaac gtcacctaata tattaattgt ttttttgtaa 240
 cctaaagggt ctaacgagca actcattttt aattattaga ttatgaaaaa aaaatcactc 300
 atattttgtt tatttagttt ccttgtacta gagacatgat agtaattatg gggtattatt 360
 ttttttgaac aatacaaaat att 383

<210> 22099
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22099

aaactcaagc ttaggttaaa ttagtctaaa cttacgatgg atcgagggtt attattttat 60
 gctacagcat agaacaccaa agcgtgattg attagagaaa tatcttcata tgcacagct 120
 tgtttgtag aaagaccaa cgctttctac ttattgctgt caacttttac ttacttgcac 180
 ttattgtttt taccatagaa gtatgtttatt tctgttttaa ccatccatta ttaatgttat 240
 tccaacaaag cttattttat gattaaaact atgtctata agcaagttcc ctgagtttga 300
 tactcgatc actccgttnt aatgttaaact acttgacgac tcaatgcgtt tctcgatgtt 360
 tcatttcctt tgaatataat tgntgaaaat tggataaaca gtaactgcan gggaaaacga 420

<210> 22100
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22100

ccaccccata gacaaaagag aagagaaaacg ggggcccaaga aaccncnatn nnaggagagt 60
 tgagctcaaa ccagcaanaa naaccgggga caaggaacac gagcagccac tattaagaag 120
 agacgcgggg cgggcgcgac gcaaccaac cgcgaaaaac aagcagaaag gacggaccga 180
 aagcgggaca cgaacggccg agaaagggcc aaaagctcac agcggagggc cgagaacagc 240
 gaacggcggg aaaacaacac acacgaccgg acaacacacg caagagcaca agaaagagca 300
 aacaaccaag ggacgacagc ccgacagaac gaagcgaaca aacgaggagg ggaaaacgga 360
 cacaacggca cagggcaaac gaagcagaag gc 392

<210> 22101
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22101

agaggtcgct tgatcctttg atactttgaa acacanncan cnaaatacgc gtggtttttg 60
 gacagacaag ttttccctt gttaacataa cggggcgcta tggggattga gaccactcac 120
 tccatttata gtgttaacga accacgggat gtataaaggc gtttacacct ctagagtgcc 180
 actcgcagct aagcggctct gaatggtagc acaccccggt ccttcgtata tagatgggaa 240
 gatgacctgg caacagacgt gacggtatgc cattacaccc cacatttgat tttgtccaat 300
 tgatttatct aactatcaag ggtggatgaa ttatgagctg ggggccgttc gcatatgtag 360
 ggggatactt aagcactggg tgcgctattc ttaaccgagc 400

<210> 22102
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 22102

tttcttgtgt tactcttaaa ggaaaaaaga tttcaagtta tgtcttgagg ctgagacaaa 60
tgccagcaaa aatgctaccc ttctttagaa cttttaggag ttggaaaaca aagggaaata 120
tcttcaaatg gatctaaagg agcttaatga acttcataat catcagaaag aagaaaaata 180
tgatctttgg agagatcggt caaaagcaca caaagattat gaagacctca atatgagtaa 240
acataatctg tgtggaaggt gaagaacata agaaatatgt gagtttcttg aataatgagc 300
ttctgaagta tcaagaactt aagggtcaac cttcagatgt ttgtaaactt catgaggaaa 360
taataacctt aaagactata tta 383

<210> 22103

<211> 463

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22103

acactctcgn naaactccgc ttgccaagag aaggagtcca cggagggttat gcttaccatc 60
tcaaaagact ggaaagcggg ttctaataac tcctctgcgg cctccacata aggcataaga 120
gatgggcagc tcacctagat gtcttctctg cctgatacga tgaccagatg cccttccact 180
atgaatttca acttttggtg gagtgtacag ggaacaactc ccattgagtg gatccatggc 240
cgccccaaca gacagctgta cggggggggtt aatatccatt atttggagg taactcgaca 300
ggtgtgaggg cctatctgta ccatgagatc gatcctccct ctaacctctc ggcgagggcc 360
gtcgaatgca cgaaccacca ttgaactcgg ctttatgtgg gaagcattga atggtaattc 420
tcagagtgcc tttaggcacg acgtctaact ggaccattat cga 463

<210> 22104

<211> 390

<212> DNA

<213> Glycine max

<400> 22104

ttgcttgcat gatttacatt ctcccccttt ctcaagcaaa ttcttaattc ttcttgacat 60
catcaaaatc ttcattgattt acattctccc cttttttgat gaggacaacc acctgtaggt 120

tagaagcaac aacaaagaaa aaatatatat ttgcatatag tttactcctc cttgggttttg 180
 caatgattgc ttatatgaga cagttgaaga tttcatatatt ttcatatgta aacaaattgt 240
 ctcataaaca atagataatt attcttacta ttttatcttt tatctttctc tcccccttg 300
 tcaacatcaa aaacaaatca tgaatagaga ggagaaagat gttaccactt tttgcaatgt 360
 atgagaatca agtgatacca aaaggcatta 390

<210> 22105
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 22105

atactctgct cgaatgggaa gtgtgaacgg ttttttcttg cttttattcg ttgaccacag 60
 agaggttcct gtagatatgt ctgagaggc aggacacctt ttagacgtca ggtgggggtgc 120
 tattgcccac aaccaagctt gaccaatccc gacccatccc gggcatagtc ggtcagtgag 180
 aacctgtgat gtacctaaac aggcgagctc ctgacagtca acagctaaga ggaacacata 240
 ctacaaagca aggaggcttg ggggtggctgg ccagctgtga attgtgtgtg atatgtggat 300
 catggcctct ggtaatcgat taccaagggt ggcttatcta tcacgatgct taaaatagaa 360
 gacacgaggc taagatggtc tctggttacc gattacc 397

<210> 22106
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 22106

agcttgtggc aggcgctaag cgcacgatct gaacgcgcta agcgtgcctt tgaaggccca 60
 aagctcattt ctgcgcctat aaatagagat ccaagccaag ggagaacgta cacctcgct 120
 catagcactt ctctcagcat tccaagcctg agctctccat tttctctcta tattctttgc 180
 ttttattacc cattctttct ttcacccta tttgtaaagc cctcaatggc catgagcggc 240
 taatccccta gctagggcct gacaggccta aaaagccaac gatgtatggg gtacttcagg 300
 agttatcaat gcaaagagga ttcattccag gttttagggt ctaattcttt tctttttatc 360
 ttgcatttat gtcttgaata tctt 384

<210> 22107
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22107

ntatcgtcag tctcaaactt ggcctagtct ctatttttca aaacctatca tttactttat 60
 ctattgtatt tttattatatt tataaaaaga aactctatatt tattgtctat caaatgaata 120
 aataaaacat tcttttatatt tctctcaaatt cattatttta attaataaag gcatttctcc 180
 ttatttatatt aattataaaa acctcatcat tttttctaaa aactatttat ttataaataa 240
 taatccctta taaattagtt tacaaaaaat gaaatgttac aactgagtaa tccaaatgac 300
 aaaattaagg ttgacaatca cgaaaatatt gcgttgagta ggtgatgtac ataatcatta 360
 taagaaaaat atgattaacc ttaatatata agataaatat taagttaatt t 411

<210> 22108
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 22108

agcttagcat caaccccaaa ctcttcaatt tccaacaaca catatttatt gcattgaaaa 60
 attagcaatt gcaatgggtg attccttcta taaatggaag aagagaacca acagagagtg 120
 catgaaaagt gagaaacaaa tcttcacatt tagatggaaa tgtgagagtg agagagagac 180
 acacacacaa agagcatgat agaaagaaaa ttgttttccc attattgtta caatagaagt 240
 ttgagagact aaggggttcc atagtttttc tcttgctaatt actgagaaga ttttccatgt 300
 aaaaaaaatt atgcttatta ttctacattt cttcttagtg tccattttga cttcacatag 360
 aagagaaaca aaaatgtttc ttgg 384

<210> 22109
 <211> 493
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22109

agagcggtag ctttgatcct tggataacnt ttgatacctc tgcacccgng ccttanaaat 60
 ctaacttgca taaacgggcg ttccctaattc tctacnactg ctttaccggt gaggaggcag 120
 tgaagaagaa tggttgcattht acctgagggtg aaaaacaaga acgagcctat ggthttagtca 180
 agaaaagcta actagagcac ctttataacc cttccttgac tttctaaaac gtttgagcta 240
 caatgtgatg cctccggagt gtgagtcgga gctgttttgt tgcatagtgg gcaccctatt 300
 gctatttttaa tgaaataactt catgggtgcc ccttaactac cccagctatg ataaagagct 360
 ttatggcctt ataagagcac ttccgaactt gggaacatat ccttgctgca aggaaattgc 420
 attcttagcg atcatcatca cttaggttca ttagaggcaa accagttaac aaagcatgca 480
 aatgggataa gct 493

<210> 22110
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 22110

agcttatatg tttgggttgc catggcttat ctcttgcaat tgattgacac tataatattt 60
 gacgacaagt cctcgactca tgtccatgtc acataccact agtacctaag caacctaaat 120
 gcttgccatg agtacgtatg gggagtcatt gcactagcgt gcctctacga ccatctctcc 180
 tatgcgagcc aatataccag caagcagtat ggaggttata tgatgttact catgctaagt 240
 aaattattat agtattgtaa ttatttttta ttattgaaat taatattttt tttacagtca 300
 tgtgtgtttg cacatctacc tagtgttgac tacttagagt cggaggattg tgtggtgaag 360
 gaccaatag ccaccagata gaagcca 387

<210> 22111
 <211> 259
 <212> DNA
 <213> Glycine max

<400> 22111

ggactttaag atcgaaggtc atgcactgtc ccatttatgg ccccgagta ccctcgtgat 60
 acgcgcaagt cgcgttcggg ttgaaccacc ttattaaata gtgacaggct cattttttca 120
 tgggtcacca ccgacaacta gttggcgatt catgaggcaa caagtcctcg tatgacatca 180

aaattaaagc gaactctata acttcttatt agagcgcac cctgaattgg aacttatgct 240
aggatttgaa ttacctaca 259

<210> 22112
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22112

agcttgatag tgtgtaacca accattttct cattgtagaa caccggtaac gtgtatacta 60
tcattgtgat catctttttc tctgtcattg aagggtgccac ttgagctgtc aagtccttcc 120
acctctgggc gtattccttg aatgactcat gctctttttt acacatgttt tgtagttgcg 180
ttctatccgg agccgtatca taattgtact gatattgcct aacgaaggca accattaggt 240
ccttccaaga atagactcgg gaaggttcca agttagtgtc ataccctaata ttcgtccggn 300
gattattact tgacgacatg caacctttga ttggccgttt caagatactt ggcacctttt 360
gttgcaaat atgtaagtct tgagacgcac 390

<210> 22113
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22113

nttcgattca ttctatgtac ccgtagtggt ccacattgtg tttcgtgcat tnttattctc 60
gttntgttta cttttttatc cccctcttg acgtgcttaa gccattttac ttaagtcatt 120
tctcgcttaa cttaaaaata aaataaattt ccaccgaatg tttgaattgt attatccatt 180
aacttcgggt aaaatcaatt ccgaccgttc ggtcatgccg taaccacgtt ggaaatcaaa 240
aagaggtaaa aaataatata ataataaaaa aaatatcttt ttagtgaaat aaagcggaaa 300
atcaatcgga cgtttttctc ttgggatttc tcattcttaa tcgaattaat taataactaa 360
agtgaacta aggctaaaat caactcgct agtcaagctc gtccacaaaa ataggctntt 420
gaagtttgtc atttcaattc ctactaaga aaaatggatc 460

<210> 22114

<211> 385
 <212> DNA
 <213> Glycine max

<400> 22114

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agcttcaatg ccactacctt atagggatta tgcctttatt tatagtgtct acttgataaa 60
tcgacttcca tcctcatcta ttcaatatga attgacttac taaaaactat ttccgaaatt 120
accagattat agcttcttaa ggatctttgg ttgtgcatgt tttcctctat ttgactata 180
tagctcctct ctcactaaga cttgctcata atgactccaa agtttctctt gaagattatc 240
caaaaaaatc tattatgacc ctgaagcaac tatctagcaa tgccattaag ctttcttata 300
aatcttcttt tttctttgaa aatattgcc aagaggttaa cattccaatc tttcaaagca 360
tgttggatat gtttgacctt ttgac 385
```

<210> 22115
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22115

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tgcaagtgta atcaaattac ttgacttaag catgctttat caaagaataa gttacactag 60
aatcagaagg tatgctcaaa agaattttct ttattaaata tatctcaata tgagtcacgc 120
aactatagag tatcagcatc gctaagaaca agaaatcaca aacaaccata ctatctatgc 180
tattaaggca aaacaccata ctacaagcat acatagaatt ataagggtcc tataacaagt 240
atatagcata catataagaa taaaggattg aacagtcact aagggtgtat ttaaggaatc 300
acaagtttca acaatcacgc ttatgggtcac acataaagaa aaaaagaata gtcaacacat 360
gttaacacat tgattaaaca cactcattca caacacacct gcaagttcaa ggttnttgac 420
aacattaata cacacatcaa gttttcaaga ccacttgtat ca 462
```

<210> 22116
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 22116

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agcttcatat tatcaattgc accatgttcc aagaagagta gagggtagca cctttgttga 60
```

gtggttttat taacattatt ttagttgaaa taaaggcccc aacttgtttt aatttgaaga 120
aattaagggtt taataagggtg gaaactctag gcttggtggc gcctcttggc tgaccaagga 180
gttgacaaat tttccacatg tttttgtgtc ttattctagt ttttaattagg tataatgaca 240
ccatcaatta ttgttattgt cttaattcta gttttaatta ggtataatgg catcatcaat 300
tggtgttatt ggtgatcatt tcattctctc actgttgtaa ccaactcgat gtcattccta 360
tttatgggct gcacattttc taataaa 387

<210> 22117
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22117

tatacaatac tcntgcttat aacctaatta ttgttttcca taaatcatta ccggctctgg 60
aacatttcaa aatatttggt tgagggtgga tgcatataga aaaagttatc gttctacaaa 120
gaaatttaca aaataaactt ttttttttct ctctctcaag atttataaga tggttgga 180
gtttttacaac ttaaaaaaaaa ttaaatgcaa agagaatgaa ggcgaagata gttcattaca 240
aattttgtaa tttcaacact ttcaatagac ttcaacaatc aatgtgagta aatcacatcc 300
tttttgcac tgagagcaagt atcaattgga gcattaaatg ctgcattcta ttctattaag 360
tgaagatttg aaataaaaaca tatcggttgc ttaactatag acatgtttca agtaaccan 420
aggggttgagg cagtggtaaa atgaatggaa atgatatatc taatata 467

<210> 22118
<211> 394
<212> DNA
<213> Glycine max
<400> 22118

agcttggttca tgttatttaa aagatgcagt gacatatggt ttcaacataa tttataataa 60
aaattggtca tgctcataat caccgaattg ctgacagatg acctgaaaat tacatagtta 120
agataaggaa gcacacttgt gcacatatata taagagaagg ttgtagcttg cataatgcgg 180
aaattggcaa taaattagga ccacagataa ggagattttt tccttctaaa ataacattac 240

aattgatcag attaaaggat gtaagaataa ctatgaccat atgtaaaaaa ttctgacata 300
tcaatgtaaa attctaaatg tacatatgac aaataaggca gcttcaagtt tggaccaata 360
ttgtgcttac aaggctagaa tactcttatac aatt 394

<210> 22119
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22119

ggagggcctt gancctttga nccttgagac cctcgaacca ccacacnaan cnactactgt 60
cactgccaca cgcgtcttcg tgcaatttac tgcattcaat ccagcggcac tgagggatat 120
tcacgaaatc ctcgcaacct cgatatatac tttcgcccga ggggattgct cctctgagga 180
aaacagacta taccaacgac cgagataata tgctcctgac accaaagaac agtctattcg 240
tggagaagcg gatcatactg agttccggat cgattcgctc gcgaatgcga caaacccaag 300
cttcgcgaca gtgtgtgcga ggaacaacag tcatgcatca tagactcaga tgttcgccac 360
gagtatgtcg ctcgagagga ctctctttct atcaagccat cggacaagtc atgcgtcatt 420
cctgagccgg tgactcacgg atccttaaac tggatgccgg cctcggaagc atccacccca 480
cctttccata tcg 493

<210> 22120
<211> 387
<212> DNA
<213> Glycine max

<400> 22120

tcttcttgaa ccaaaaccgg cgagagtgtg atcttaaact gtgatcgaac gacttgctat 60
gagtaataat ctttgcatac atctcttaac tttagaatga aatgtataaa tgaggacatg 120
atggaggcca tgattgtgca tacacaagcc ttttgaccaa aaagcttacc ttgaatgata 180
actgtaccat ttgcaccctt tgtgagctga atgatgttgt caataattga accctgaacc 240
taaatgatta tctccagata ccttgcttag attctaggag agcatatggt tcaaggcaaa 300
ttcaccccaa atttggggga gtggaactaa ttgggatgca aagaaagaga taaagcatca 360
acacacacaa catataagtt gtgtgtt 387

<210> 22121
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22121

tcggggaatc tttggacaac gttgttttga gtangtatgc cattattggc cattgaactt 60
 gcaaatttgt agctcctttt tcatttcagc ccaacaatag tttggttcgc ctggggccaaa 120
 gtgtggtaag gtgaagcatt aagctcgagg gttatttcga accagctaga attgtgttct 180
 ggctgggcca gagcttgaca gaaaggagaa ttctctccag gggttatggc ctgaccaaag 240
 ttgtgtttta gttgggctag actgtgacaa aatagagcat taaactccaa gagtgtttta 300
 gcccatcaag aggttgtgtg attgggacat aaaagtgata gaatgggttt agccagacta 360
 gaatttggtc aatcgggcca aaaatgtgat agaatgggta acttatgtct acaggagtta 420
 t 421

<210> 22122
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 22122

ttgcttcctt tattttcacc ttttccccag cttataaatt cttttaactc aaaagctaaa 60
 ggccataaat cttccaccaa agatttataa ctttaagatgt tacattggac tataaagtgt 120
 atgtgtggat taatgcttgg ataatatatc gcacgtttta agaacagttt tgcgagaaac 180
 aacaaaatat cgcattactc aattgttgtc cctgaagtgg aacaatgaac acactagtga 240
 cactacaaga aattacatta gaccacctgt acaagtttat atagataaag catgtgtatg 300
 ataatagggc tgattatgtt gtgtgatata ttgtccggcg tgatatatat ga 352

<210> 22123
 <211> 290
 <212> DNA
 <213> Glycine max

<400> 22123

gttgtgcaga gacactctat gttctcatac caaaagctta attatacata ctgctatgaa 60
 ttttttaaaaa aaataatatt cttaataaag gatattttca tgattatgat ctctaatacca 120
 tttttcacac gtatgtttat ggtaatgcga tcattcttgt ttaactattt ggatacagtt 180
 aaaaatcttt tatattatat taactcatat atgtattaaa tattaaaata tcaataaaaa 240
 tatgattact ctttgatttt aaaaaatatc taaaattctc atgactacca 290

<210> 22124
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 22124

tgctttacac caagcttgaa caatctaata ttctttttcc tatcaagcca ttactaactc 60
 taacacaaat aaaaaaattt gttgtttgat tggtcacta actaattctt aattgtctta 120
 caaactaatt ttcaatctaa gcaattagag aatccttagt gctagaaccc aatttggtt 180
 cttaaccact tttaaatggg tccttttagt acatgtagggt tttagaact ctttgatttt 240
 atgtctgtac tggtagaacc aattttcaag ttcttaagtt aatctaagcg gccccacagt 300
 atattttact ttctttttct gtttctacat tttgtagtgc ccacccacc ccagtagacc 360
 ccttcacttc cttttctctt tac 383

<210> 22125
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22125

tcttacaaga gactaagana cttttgtcta anaattttga gacgaaagat cttggggaag 60
 actcttttgt attaggaatc aagatactaa gagatcgctt tcaaggtatc ctaaggttat 120
 cacaagagag ttatatcgat aaggctctag atagattcaa catgaaagat agtaaaccag 180
 gagatacccc aatagctaaa ggagataaat ttagtctcaa acaatgcccc aataatgacc 240
 ttgaaagaat agagatgtaa aagattcctt atgcatcaac agtaggaagt ttaaagtatg 300
 ctaaagtttg cacttgtccc gatatagcat ntgtagtagg agttctgggc agatatttga 360
 gtaatcctgg aataacaacat tggaaagcag taaaacgtgt gatgcgttac ctaaagagaa 420

caanaggata catgctcaca ta

442

<210> 22126
<211> 379
<212> DNA
<213> Glycine max

<400> 22126

tatctttcat cttccataag ctgttccacc tgaagttttg agaacaatct gttaatatta 60
ggactgaata aagggatgct tactaaagat acattattag ttagatagga gtgaaagaag 120
tacaataatg aagagttaag ttactaaatt agaatatcca atcaatgatt cgtattgtca 180
tgtttatggc atacagaatt tcatagttca ggcgaaattt agttcaaaca gtaataaatt 240
ttagttctct gtcttctgaa attttatacc tagtacgaca tctttactgt attactattc 300
gctaactaga acatgatggg tggtcttaat tggtcatagc gtgacgaact acatgattaa 360
gacttcttat ctttaaatt 379

<210> 22127
<211> 349
<212> DNA
<213> Glycine max

<400> 22127

tgagaagtac tgctgaacac aacattttta ataaatttat gtttgtgttg cagagggcgt 60
aaataaactt aacggccaat attctgagct tattcagaag tccgagtggc gaacgtaagc 120
acacactgca atgctaagct ttggcatata atataataat aacgaaagtg attaaaaatt 180
ctggcaaaaa tctactagct ttataaaagg ctgagaacac gagcattgcc aaggggatga 240
tgataagctg atctgaagga aattctgttc tgaaaccac actcattctc tatctctaaa 300
aaataaacac tctctttctc tctctagaca atagagagaa gtgaaatga 349

<210> 22128
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22128

agcttgtagg attatgggggt actcatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcaagacaat tctccacatc cacaaatcac gtataaaccc accatcccct gttgcccacc 120
tccaactgag ctcacgtact cccacgtagc ccatattctc gtttctctca acaccgggtc 180
cccatcaatc ctcccaagct tccccaacat ccaggtaaata caacattcaa acagcacaaa 240
ctatcacagc caagaaaaca gggcaaaggc agaaaactct gcccaaaaaca ccaacaaaaa 300
tcacagcttt tttctcactt agagacccca gtaacatttc cttcgttcca attctttaac 360
cgttggatcg actcgaaaan tttactggaa gt 392

<210> 22129
<211> 459
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22129

tcttccatgt ctctaccaac tgcattatca tgaatattac tgcaaacatt taacatgcat 60
taattattag tcagaagaaa caaaagtcac agtgcttttt ctttttcaag aaagaaattt 120
aattttgaag gaaaaaagac tataagaatg acggagataa tattctcctt aaaccaaaga 180
acaaaataaa aatggagaaa caaaaaatac agaataccaa acagaatccc taaagaatgc 240
taaaaaccca tgtattgtga cagtgtatgt gaggaagaat tgtagtggat catagcccca 300
agtgggcaag aaaattggct tgacttgggg taactaactg ccagcacggc cagtggggaa 360
attctgttgt aagctacaga gaagagatat aagtgggttat ggtgaaatgt gatctgatgc 420
tgttctatc tatcanaatc cttgagttan acaccaagg 459

<210> 22130
<211> 357
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22130

cgcttgtaaa ctttgtacct gaaaccctct gtctaaatca aagctttgac cctgaaaccc 60
tctatgtaaa tttgacagcc tcgtatctcc cttcctgaaa acccactaaa aactgtctaa 120
ccccccctgc tgatactcta taattcattn tgcaataact gcttaaggca gctacatata 180

gtcctaaatc actacagatt cagttacgac taaccctgtg tgcctaacta gggtttcaaa 240
 acatcacaaac agagaccgac cattgaacaa tggattgtca tcattataca tacaacagag 300
 acataccttc gatggaagcg catacactaa ctacacaaac gctaactcga caatgcg 357

<210> 22131
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 22131

tatgtgataa atcatgttct atgtgatagt tgtatgacgt tttggagaca ttttacagaa 60
 cctattaatt ctgaagggaa aagaatatat agtcttcaaa tgtttctcta cacacacact 120
 tagagcagta ctcatctcga tggatctaac ataaggcgga caaccttaag taacatcatt 180
 ttagaggcac agcttaagtg agttgtatct ttagaatctt tctaaattac tttctaggag 240
 gaatccatta aaatacaccc ctaatttatg agctttcaca aatggggtta agtagttttg 300
 tatcgacatt atgtaatgta tagctaaatg aggattttct cttgttt 347

<210> 22132
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22132

agcttgccgc gtcaaatgat tgtttctgga gaacaggatg gatatatata agagtgcagc 60
 attctgtagc ttttctgtat aatgggttgc tctctatctc ggcatgttgt ctgcattatt 120
 ctcaattgat tatatttcaa ttagcactaa aatcttctat tatcttattt agagtatatt 180
 gcatttcata aatctctcct gcaggtcagg tggctctaga tgcaccattg cgctcaaaa 240
 gtccgcaaag ttgtcaaatt ttatgcgtta aaccacttgc tgtttctgct agttcttctg 300
 ctcaatttct tttgaaagga ttcaattttt tgctgtctaa ctcgaggtaa atctctatac 360
 gctngatgat ttgaatttct 380

<210> 22133
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22133

tcagtgcag cgcatatcta acaacaacaa agaaggggaa ccaaagccta acaacaacaa 60
 caatgttctc aaagacaatg ttgaatctaa tgcacggaga acctctagaa tcatgaagaa 120
 gaagcacatg ctttaacaac aacaacaatg ttctcaaaga caatgttgaa tctaacgcac 180
 ggagaacctc tagaatcatg aagaagaagc acatgctttt cgaggattcc gatgatgctt 240
 ctccagcgtg gaagaaggcg ctgaagcagg gcgatatgct ggagctcttg aagatgggtgc 300
 taaagacaga ggctgagaag aagaagagca agaaaaagaa aactgataac tantttttnt 360
 aaattggaac aggtgttact aattttaagt tagagttgta atattttatta taacttnntt 420
 tntttttact ttatcac 437

<210> 22134
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22134
 agcttgtgga tccagggatg gttctaggaa atcattaaag gagggttgga caaaattgta 60
 ctttaattat ttaaataatc aaattctaataaataattat ttaataaata attattttatt 120
 agttctacag gtaaaactaa aattgatttt tatttcaaataatacatatt tcttatttca 180
 agttttgaaa gatttggtga tctcaciaaag acgatcaaataagacaataat atggctttta 240
 aaaagaggaa taaactcatc aaatataata atagttgaaa taaaatatgt ttttagtcca 300
 ttatacttac gttaattatt tttgggtctgg aaactttcat attgtaaatt taatccttga 360
 aatttatata aaaaaatgat tatagtctct ag 392

<210> 22135
 <211> 464
 <212> DNA
 <213> Glycine max

<400> 22135
 aaaacacctg tagatagttc tttctttctt atgatgaaaa tgattcctat cgatcaaatt 60
 tgggtgcctat tgtagtaatg acgtggctag gtcataaatt attgctgtta cgtggaatta 120

ttccaatttc tgcctcacat ttattttgat gataacaatg cgcaaaactt ggtcctgtaa 180
gactagtcaa ctgccatgca atgtgccaat gggggggccc tcggtttatg cttgcaattg 240
tttttatcta acaaaaaatt gacggaattt tgatggtttt atctctccaa tacacatgaa 300
ttttacaact tgccacgtgg tectgatctt caaattggac ggtgagatga gtattgttta 360
tggcattgag tttgttttcc ctcatggaa ccaagcta at tggaatagaa tccaataagc 420
tcaccatttt tacttgtgac ttctcagaac aacctaatt ctcg 464

<210> 22136
<211> 386
<212> DNA
<213> Glycine max

<400> 22136

agcttggtaa gatcctcctt ggtggggatg tgacgtgcac cgcacacact cagagctcc 60
tcacgtgcc gtatctgcc ctgaggatgc atcgcgagca ggatcgtggt ccacgttagc 120
aaattcgaag tgggtgtgtt gctgccaag aaaaaggtt tgactcttc cactatgtca 180
tccaccgtta cgttcacatt ggagggtggt ttgttgttgt tgttgaagc ccaaatcatg 240
agccccagca aatccgttgg cttttttgtt tcttcttcc cacacgcatt ctcttttctt 300
cgtcgttcga tgatcttcac caacgatttc ttgatttct tgtccagttt ccaagaatat 360
atattcctcc tcgtggggaa gaatct 386

<210> 22137
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22137

tgctttctaca ccaaactga agcatccacc tccaccataa agaattttgt taagtcaggt 60
aaagccaaaa ctggagcctc agtagcttct tctttaattg ttgaaaagcc agttttgttg 120
catcagacca gataaagtta tcttttttaa gcatgttagt taagggttta gcaatgccac 180
catatccctt gacaaacctt atgtaatatc caattaaccc caggaagcct ctaagttgtt 240
tcaaagtttg aggtaatggc cactggtcta ttgtgtgcac tttagctgga tcagttgata 300
ccccctcctt agaaatgaag tggccaaggt actctaccat agacacccca aaatagcact 360

tactcttctt agcagacaag gaattcgcct tcatagttat cacaactttg tgtanatgta 420
gcaaattggtc ttccaatgaa caatt 445

<210> 22138
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22138

atcttactta cataaaataa aatccatctg atatggaaca catgagatac acaaaaaata 60
ccaattgata atgaacacag ggcaaaaaga aagcgtagtt acaactctaca gattatgcaa 120
tttaatacat acttattttc tttaccctaa caacaaattt ttttacaatt gaaattaacc 180
cacaataagt attcagtaaa aagcttaaaa ctcaaatacag acaatgttaa attgccacac 240
ccttcttcct taccttggaa tgaaaatcca tcaaattttc tttccattgt caacagagcc 300
gtacaagaga aagagtctga cttgtcccct tgaagaatgc ctggtnagac actctgtaag 360
agaatataca atttgaaatc aaaataac 388

<210> 22139
<211> 452
<212> DNA
<213> Glycine max

<400> 22139

taaatagact gttccatgct attacctatt attactgttt ttttttataa aaaaattact 60
tttcaattac attaataata tagcaattat ctatctatct atatatatga gtataaaatt 120
aattaattta ctataaaatc aataatttac tatcatgtta taaaattagt atactctttt 180
attactataa tatagttacc gatgtttctt tttttttttt aaacagcaaa atatattatt 240
aatgaagaaa ccatgtgatt acccacaagg agtgacaacc aacatgcata gagtcaccga 300
tttttgataa tcaatataat tataacctga tatagggtat acttaaacad tttattttatt 360
agtttctaac acgaagattt ttctattatt aaatctactc taaataaaca aaactggcaa 420
atttaaagct tttaaattgt acaaaatata at 452

<210> 22140

<211> 389
 <212> DNA
 <213> Glycine max

<400> 22140

agcttgccac ccagctcgct caggcgagca gggttgcttc ctccagaagc aacagccttc 60
 tggagggccc aagtgggcct ggttgctatt tgcacccta tttttactaa atacaccccc 120
 tgcctttttt tgggtgattct tttttcgtaa agttacggaa acttacgaat ttcgtaacga 180
 tacttgtttt ctttccgtaa tattatggaa ctttgccgat tacataatca tccccttttt 240
 ttacttacgg aatgttacgg aacctcacta attgtgcaac gatgcttcct tttgatttcc 300
 ggtgtgtcac ggaaccttac ggattgtgca tcaatacctt cttttcattt ccggcatgtc 360
 ccggaacttc acaaattgcc taatgatgg 389

<210> 22141
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 22141

tgacagtatt acaaactctga atatatgttg ccaagtgtga gtatggatct tcatttggtta 60
 acccatgaaa caaattgctt tgtattagct gtatcaatga aggtgggtaa gttaagtttt 120
 gtgcttgaac ctctggccgc gcaacacttg agaaatattg tggcaccata gtacttgagt 180
 aatcttccaa ggtcactcgt cgagggttgc cttcagccat gacttcggct tcaagttctg 240
 ctgtttgaga ttccttggtat gtaggtgaac tagaagatga tgactcagaa aagtgagcct 300
 cttcaaggat tgatgctact gtccctgtcgt gcaaaagctt tctttttctc tttgcgttgt 360
 ttcttctaaa ggtggcttca atttctaaat ccaatggaac caattcacct gcagaagatc 420
 tacgcataca aacactaaca ggaacagcag ttaaccaat 459

<210> 22142
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22142

agcttatgca attgtgttat atccagagca aaacatattt aagcctattc cagtcaaaca 60

gaaatacttc ttataataga catcggtggc gttaaaaaaaa aaatataaag tgtaatacaa 120
aactttccaa cagataattc attcaatgtg gtccaaaggt tgttttagagg ttaattttaa 180
attgaaacat taaaattgaa gtccaatgca atttcaatta ttgagataaa catgataaat 240
ggtacttttag ctcttttatt cagagatcct tgcatacata atgcacacca ggaaatttag 300
cagcaaatta gatttcagtc atttgcata gtaatgtgga cttggatcaa cgctgctaca 360
taccaatgta atttgtaagc ataagctaaa tg 392

<210> 22143
<211> 427
<212> DNA
<213> Glycine max

<400> 22143
ttttctctgg ctgttttggt aggattctca agcgttatat agagaaagaa aggattatta 60
gtctcaatth tattgtctcc gtgcgacgga tttttctctc tttacaaaca ttatttcaaa 120
aatcccaacg gtgaagatgt gagaatttga ggaccatacg cggagtctaa atttcaggat 180
gatccaacag ttaacgaatc caagatcata gttgtactgt aataaattta cgtgtatgcg 240
aaaaaaaaag gaattttgag agaggaagga agacgaacga atttatgagg aagtgagagc 300
gtagatcaat atcaaaattg acctaatatg tttctatcta tagtttagagt attctaaact 360
tattatctac tctattatth tatcttatca ctttataaaa aaaagaactc tctattacta 420
tgtcatt 427

<210> 22144
<211> 212
<212> DNA
<213> Glycine max

<400> 22144
tagcttgagt aagcctctcc cagagacaag caaaatagct tgggaagtct ctatcctcaa 60
gcttgagtga accaccataa agcgactcaa ttatgtaaht acctccttgt aaccctacta 120
tcactatgta tagtggaaga atctccatat tggagaatta taatcgtgcg ctctactac 180
tacctgtaat tactatgtga ctatcttaac tt 212

<210> 22145

<211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22145

ggtgcgagtc gcnttgatac ctngtagata cctagatacn ccgagacact atcnaagact 60
 cacacttgat tatacatggt tcgcgtctac tataatccaca ctttactggg cgaacgtgag 120
 gagaccttcg agcctatatc gctcacgtgg tggacaaaaca aatggcctgt accgtgcata 180
 gccaaccaat ggtcattgcy caattgtttt attgccgtaa actatatcgc gcacacaaaag 240
 ttcttgccga ctcgatgct acgcggaccg tgatctacta ctcatagcag acatgctgct 300
 tacaccatcg aacatctggt attagcaaac tctcgacaga ggcgggcccgt tgagaatgaa 360
 acatgcaaga ccccttttga gaagcaaggc gcttattctt gaccctactc ccataatgca 420
 aaggtcgcca catcacaagt tacgactgta gggttgcacg accattgacc ccgcaaagg 480
 tttatgtgat ctgaggcaca ttgtaccacn 510

<210> 22146
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 22146

agtttgcttt tggagattgt aactatgctc ttgtgtggtg gaacaagcta caaaagggtga 60
 gagcatgaaa tgaagagcca ctggttgata catgggcgga gatgaaaagg atcatgatga 120
 agctgtatgt gccggctaga tactcaaggg attagaaatt taatcttcaa aaactaacc 180
 aaggcaacaa gggggttgag gagtatttca aggaaatgga tgtgctcatg attcaagcta 240
 agattgaaga aaatgaggac gtaactatgg ctcaatttca taatgggtctg actaaagata 300
 tccgtgatat tgttcagtcg catgagattg ttgaaatgga ttatttgctt cac 353

<210> 22147
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22147

gagggcgggg ggtccttttg aacttgagac ctggancacc aaactcaaat cccagagtga 60
gacgtcagct ttaggacatt ttgtccaata ttgncggggg cgacagccga cagagacgnt 120
tggtctcgcc taactaaaac tggggcctcc tcgatcttct tttacaagtg gcgactgtgg 180
tccccgtttt agttctgggg acaccatatg ggaagtcttc ttggggagcg taggaacaaa 240
ccccctgaaa gctccaaggg ggtatcccacc cctctttgtt gcaatgtaac ccccgcgacc 300
tcgtgcttga atattccacg tctactctct tgaacagaaa gaggggtgtc tcctccacag 360
acactagaaa atacgtcctt gacaatgtca ggaggcgac tccctcctta ttatgtcaac 420
tctgcccattg ctcatcagg gatctctaaa tagtgtgcc caggtccatg ctct 474

<210> 22148
<211> 385
<212> DNA
<213> Glycine max

<400> 22148
ttgctttggc atcatcaaaa catcttgggtg aatcatcatg gtaactttgc ttccataatc 60
tccccctttt tgatgatgac aaacctgaaa tcaagagatg catacaaatt attttctagt 120
cgttcactca ctttattctc cccctttctt ttttaagttta agattcattt taagttaagc 180
taataattgt atgaattctt gatttatatg accccacatt tttctcccc tctggcatca 240
acaaaaaggc caaagtacgt tgtaacataa aatcatcgc aaatggatta acatacaaga 300
gatgtattca tacaagaaaa aaggagaaac ttataaaaat caagcaagat aataaattat 360
ccacacatca taataaaaaac atatg 385

<210> 22149
<211> 447
<212> DNA
<213> Glycine max

<400> 22149
tggagaggat gcttcaatgg aggatattaa agaggggtgag aaagagagag gggggagcac 60
gaaattgaag gaagaaaatg ggagagaagt tgaactttga gttgtgtctc acaagactct 120
cattcatcaa agttacaaca agtggtacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaagct ctcttaagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240

agctagagtt tagctacaca caccatccta aaaaataagc tcacctcctt gagaagcttc 300
 cttgagaagc tataacttag ctacacaccc ctataatagc taagctcacc cccatgacaa 360
 aaaaaacatg agaatacaaa aaaaaaatcc tactacaaag actactcaga atgccctgaa 420
 atacaaggat aacaccctat actacta 447

<210> 22150
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 22150

agcttgtagg attatggggg acccatcata tgtggtacta ggtggcaatc aggcgatggg 60
 gcaagtcgac tctccacatc cacaaatcac acataaatcc accatcccca gttgtccacc 120
 ttcaactgag ctacgtgct cccacgtagc ccttatcctc gttcctctca acaccgggctc 180
 cccatcaatc cctccaagct tccacaacat ccaagaaatt cagcatccaa acatcatgaa 240
 ctatccaaaa ccaagaaaac agggcatagg cagaaaactc ttcccaaaac acattccaat 300
 accacagttt tctcactca aataccccag taacattctc tatgtttcga ttcgттаacc 360
 gttggatcaa ctcaaaattc ttact 385

<210> 22151
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 22151

tattgcatga gctatatcag gttgagtaca tgccatagca tacattattg aacctataat 60
 gttagcatat gtgatactct ccatataagt atactcttca gctctctttg gggattgact 120
 tacacttagt ttgaattgat catatatagg tgtcacaata ggccaacttc gaatttgaca 180
 ttccaaacct ttcaataaat ttattgaggt atgtctcttg agatagatac aaaatcttct 240
 tctttctatc ccttttgatt tccattccca atattctcct tgttgtccca agtccttcat 300
 ttcaaattcc ctttctaact cagctgtgac cttggtaatt tcggccttac cgttacttgg 360
 tattaacatg tcatcaacat atagcagtac gattacagag gtacctttat tccttttgaa 420
 tagccatttt caattgacta c 441

<210> 22152
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 22152

tatcttacta taaataacaa ttaatatatta ttatcaaata atagtgtaaa aataatttat 60
 actatctata tatgtataaa ctatttgctc ttaaaattta aaacaaaaga aggaagatta 120
 aactcttgtg agagcacggg aaataaaagt atataactga gtcaaaggat gtatgcttag 180
 agacaaagga tgcattgctta gagagttatt atgaaaattt aaatgtccaa cataggtata 240
 ttaaactaat aattaatcta cacattaagg aaattactat gggaaattac tatggtatat 300
 tggtagtgac atgaagataa tatgtaataa tacggtgagt tattaactat ttgttaaata 360
 atgattctat actaaatggt cgaaattata ata 393

<210> 22153
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22153

tcctaaaatg aaaacatctg gaggccttaa aggatatcta gaattaactt aaatagaagg 60
 cattaataat gtgaactatt catacatcat ataacttaac agtcatgtta agctgcatca 120
 tattgtacaa tgatgaagag gatatagcac atgattttct tatcggggat cagttctatt 180
 cccctagttt gcaatttttt ttggcatcta tactttttcc ttttgcaaaa tagaaataaa 240
 atttaagcta atctgtcaaa tacaaaaatt aaacatttat aatatatcca atgttcaaag 300
 tcaaataagt aaataagaaa aagaccatgt agttgaaaaa atgttcataa aacacacaaa 360
 gatagaaaaa tcaaagcaca taaactaat ctagtgggcc caattctttc tccggcagat 420
 gacaatctcc catattntgt caatgctcct gtaat 455

<210> 22154
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 22154

agtttctaga tctcttggag acaacaaggt gtgttttcat ataattactt ctatttttaa 60
 caaagcaata gaaaatgcc aagcagattta tgcttgataa tatctacata aagcagaaaa 120
 ttacgatatt ggaaaagaca gccaaagatgg tgggctaaac gtacagtatt atcatctagc 180
 aatgagaaat tctttttccc tgcttttctaa tggcaataat tgtagtaata aatacaggtt 240
 atatagaaga acattgactc tatggactta ctacgataag acaaaggaaa gagaaaaagt 300
 ggctttgtgg cgcataatga gcaatacaat gttagagagg gataaacaag tggatatatat 360
 tttagtagaa ctgatcatg 379

<210> 22155
 <211> 548
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22155

agacgagtgt cnagcttttg ataccctgt tgaaaaccct tagattaccn tcgacatnca 60
 cgngacacta tagacatact caagtctata ntgagcagtt catctactag tgactattta 120
 ttgcactata taattgatgc gtcattgatgc gagagcatatc aagttcgagt atcttaggca 180
 taatattact attatctgac gatcactaca atnatgattc ttaaaatgat atcttctaca 240
 atattcgctt attttaatat tttgggtgcag ctatttttaga actatcattg gaatataatc 300
 attattatgt ccatgtaata tgtgcatata tttgcttttt cttcctaaca ttttttagag 360
 ggacttcttc ttaccgcaca aaatactatc tactctacga ttacctgtgg actaaaaaga 420
 tttcttctgg agataatgat gctaatagtg ttaacagcaa aaagagttcc acttattaca 480
 aaatatgtat caacttcaaa catatttatt gaaaccacac atagttaatt cccacatatc 540
 atttttctn 548

<210> 22156
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 22156

agcttgggtgc cactcttgaa acaaaacacc aaggttcgac atatcgtgtt catcatctgg 60

gaactcccaa tctaaatcga gaccattgaa cccgtattgg cgcgccacgt ggatggtgga 120
 gtttatgaac acttgtcgtg tgtgtttgtt gctagccatg agggagaatg cggttgagtt 180
 gctaccacct cctccaattg acaagagagt tttcacggc gggtaacggt agcggagtc 240
 attgatgaat tttggtatcc atttttcatc aaattcgggtg acactaagggt gaaaaagttg 300
 agggctcttgt tggataaagg catagtagat atgagtgaag tattttgtgt caatggaaga 360
 gggtgaaagg tcatcacc 378

<210> 22157
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22157

tgaagtgttt tcaacatatt tcagtttgcg ggggatatta gagatataga tgagtttaat 60
 tagttacaaa ttagttatta atttagttta ttacaagtta gtttagtta ttacaaattt 120
 agttacaagt gtaattatat aagatttcaa gtaaaatctg atttgctcgt tttaagcatt 180
 attcaaagta atattcaggt tttcttttct cttattttca tctctctacc ttgaactttt 240
 atcataaaat gtaattgaac taatcaagat cactagttaa ttcagctcac agtttttaaaa 300
 atgatacacg atcgactgca atttcagctg tgatactgtg acgccaagat tnttgaaaca 360
 tgcaagactg tattaacact acgattgacg ttgcattgtt catatttgta tgcactatga 420
 tagaaattgg tatatatgt 439

<210> 22158
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22158

gcttctacaa tctccccctt tttgatgatg acaacttctg aaatcaagaa acacacacac 60
 acacacacac acacacacac acacacacac acacacactt tttcctagtc gatcactcac 120
 ataaattctg cccctttgtt tttgaattta tgcttctctt aaaattaagt agattactca 180
 tgtgagttct tgatttaatc cctattttct tcccccttg gcatcaacaa aaagccaaag 240

tgcataatcta atttgaagta ttcaaataata actaaacatt catacaacat tcatggaaaa 300
 aactatcaac caaatcatga agcaagaacc atgaagcaat aatcatgaat agattaacta 360
 taaaatccac atagtcaaat aacataactn 389

<210> 22159
 <211> 459
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22159

tcatgatgat gaatcaagta taaatcaagt agtntgatg atgacaacta gcccaaaaga 60
 atgatttcaa gtttgagtca acaagttcaa gatcaagatt aatttcaaga ttcaagaaaa 120
 gacatcaaga ttttaagagaa gatgaattca agattcaaga gaagaaatca agaagcaaca 180
 agtcaagact tcacaaggga agtattgaca aagaattttt caaaaaccaa acatagcaca 240
 gttttgtttt acaaaaagagt tttctcaaat ttttctaagt taccagagta tttactctct 300
 ggtaatcgat taccagttta ctgtaatcga ttactagtga taaaatttga tttcaaaaag 360
 tttttaactg aatttgcaac gttccaaaag aattttaaat ggtgtaatcg attacaatat 420
 attggtaatc gattaccagt gtatctgaat gttgaattc 459

<210> 22160
 <211> 393
 <212> DNA
 <213> Glycine max
 <400> 22160

agcttttacag cagatttttag taatgaccca ctaacctaga attaaaataa cttaatgcc 60
 ttaacctagg gaattaaaac aaactaaatg gctgagtgtg actgaaattg ttggcaacca 120
 aaagtcaccc ccaacagcca acaagtcagc caccatttgg tctcccaaaa ggctgatgcc 180
 taggttgcca attgggccct tattacaact tgaactaaag cccttttagt tgattaaccc 240
 aaaacatatt tttggtcagc caactctaca aggattgggc cattatttag aaaaactaaa 300
 cactctaaaa ttgaaataaa gtggtgtcat ttagtcctcc atttgcgcca tgatacaact 360
 cacaaccttg gacttttctc cttgagactt ggg 393

<210> 22161
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22161

actcagcttc ttacatagtc cgcctttgct tgaccttctt tatgtttaan aacattaaca 60
 ttaggcatag gcgaaagatc acgacgagtc tgtgggttaa aaccataaac aacttcgaaa 120
 ggagaacaat tagtggtgct aaaatccttc acaaatcatc tataaaaact tgctaagcca 180
 tgaaaactcc tcacctcggc cagggactta ggtgtaggcc attcttgaat agccctcaac 240
 atttctcat caacttgac tccttttgaa ctcaacaaca aaccaagaaa cacaacatgg 300
 ttagtacaaa agatgcactt ttcaagattg gcatacaatt gttcttctct aagcacaatc 360
 aagacagatt ctacatgac aatatgcaa tcaagtgaag tgcttagata aaatatcatc 420
 aagtcacacc acacnaactt tctataactc t 451

<210> 22162
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22162

agttactcca taancgaaga cacaccgaca aacaacacga aacacaaaca tggccacgca 60
 acagccacgc gcggaccgga caaacaacg gggacaagac acgccgcgca agcggccacg 120
 aaacgaggta cgagcacatg ccacgcaaac gcagggaaga gcagacgcca gaaaacgaaa 180
 cagggctaca aaaccggaaa aaagacacga aggacgcaac ccaagcaccg cgacccccac 240
 acatgaacaa aagcaatgct cgccaagggc caaccctgaa caacgacaac gagggtcggc 300
 caacacgaac atgcatgcag acccagcaag acacgagccc accgtcaact tccaacgaac 360
 caccgc 366

<210> 22163
 <211> 183
 <212> DNA
 <213> Glycine max

<400> 22163

tgcttctata caagcactca taactatggt ccttcccttg acaccatcgc tgccgctcgtt 60
 ctccggcccggt ctcaattggt ggcagcactt gctgattatg attatgatga tgacgatata 120
 ctctcagatc tcaccacaaa ccaatggaga catacagacc gactgcatgg ggagcatgat 180
 atg 183

<210> 22164
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 22164

agcttattta aatctaatta agaagctaac ataacaatat ctgtgtgtgt ctttgtatcc 60
 gtgtgtttat atttttaact atcagatggt gtagttgttt tcaagaagct taataaagtt 120
 acagaatcaa attataatgg atgtgacatt catatatgaa gcaagaataa ccaacaaaaa 180
 agttaaagga ctatagtggg gtaaagaagc caaactgggtg ttctatgttt taagatttgt 240
 atctatttta ttctctaggt cttccttatt tatttgaaag aaaaagattg caaaacatca 300
 tgcaggcata ttataccttt ttttttgggg gggggggagg gat 343

<210> 22165
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22165

tatgatcttc taataattaa taattcacgc acacaattta acaaactatc aaacaaaaaa 60
 cacttcataa caacaacaac aacccttctg aaattctcaa cacaagtttc aaaaaacaga 120
 gtaaaagaaa cagagcaaaa acacacacac aaaaacacaa acacagacac cttttaagta 180
 ttaagggtgc tctttctctc cccggaaagt ttctccgtcg gcggtggtga ttgaccggag 240
 tgccatggag tctggacgga ttttctttgg tgccctctgct tcaagcggca acaacatgct 300
 ctttctcggc aacactgaac ttgcttttctg aggtcattct ctntctatct ctctntctga 360
 tgatttttat ttaatcttat tacgttttct cttacccttt ntgtggattg aaaanttga 420
 actggatatg ttgtggagta gttgttgttg ttattg 456

<210> 22166
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 22166

agtgtctccg gaacgatgag ctcttgaagc cgaagcggag gcggatgaac ccttacgttt 60
 ctttgacgat ttttccattt gaaggagttt ttgcagattt caatcgggtga aatcaaaaga 120
 aaaatgaaaa agaagaagat tgcaatttac gggagttgat ttgatgatga aatgagtgag 180
 ataggaaggt ttggagggtt gggaaatggag gaacgtcgca aggaggaagg ggctgcgcag 240
 gggtttctaa aaacgagata tttatagagc aggacgcatt gtaatcgatt acaagtaatg 300
 gtaatcgatt acaagaggag gcagcctact ggtaatcg 338

<210> 22167
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22167

tgtaatggcc tccaaaattt tagacaagtg gcctctgtat cttaagaagg ggggttgaat 60
 taagataaaa aactttccct aattaaaatt ttaactatgt tttggattaa caatgcaccc 120
 cagttgccca atcaaatagc taggtcactc gaatgaaact agtgcctta tctttacttc 180
 ccttttattt ccaataaaaag ataagtaaag aagggaact gtcataccct aatttcgtcc 240
 agggactatc attcatggat attttgattt tcgctagccg aattgagttg ttcgacgcct 300
 attaccaccc aagacgaaag atcattcgac gtnttggtga agaatgcgaa naatacccaa 360
 aagggagggc aaaagggtca ttntaatcc tttttttgaa ccctagctcg cccaggctag 420
 cctctagctc 430

<210> 22168
 <211> 522
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22168

gccacaacga cgacaaacaa caaagcgata gaaagagacg cgacgaatac caaaacatac 60
 tnaanannna agagggggnn aatgagcatc naagaacacc nnanagaann nnncgcgccg 120
 caaacanaca ccaggacacg cacgcnnnccg aacgctaaac aagaagagna nacacaaaga 180
 gaccagcgga cccgcgggaa acacaaccac ccaccacaac cacancggaa ataacgacaa 240
 accaaccgga acagcgcaca gacagagcgc cagacaagag agagcacaaa agggcaacaa 300
 ccaaacacaa accgaccgga agcgagggag caaagcaacc aagaggaccc aaccacaccc 360
 gaccaaagca cacgagaaga acaaaaagaa cagcaagaca agggccaacc cggaggagac 420
 caaccaaca caaagggcgg cgacaacaa caaccaaggc aggacaacca acccggaata 480
 cggcacggaa caccaaacac acagccaccc accagaagta cg 522

<210> 22169
 <211> 452
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22169

tgtacgaata tggcgtaccc atcacatgtg gtactatttg gcggtcgggc gatggtgcac 60
 aacaagttgt ccacatccac aaatcacgta taaaccacc atcccctgtt gtccacctgc 120
 aactgagctc acgtactccc acgtagccca tctctcgtt tctctcaaca acgggtcccc 180
 atcaatctc ccaagcttcc ccacattcag gtaattcaac atccaaatca tcacagacta 240
 acaaaccaag caaaaccggg caaaggcaga aaactctgcc caaaattcaa accataatca 300
 cagctttttc tcaattaaag accccagtga catttccttc gttccaatcc gttaaccgtg 360
 ggatcgactc gaaaatatta ctgggagtct ctagaacata tgtatacatt gttaccgggtg 420
 ggatctacta gatnacatcc agaactcatt ct 452

<210> 22170
 <211> 386
 <212> DNA
 <213> Glycine max
 <400> 22170

ttgcttgcac tcagcaaatt ccacaacccg taaaatccat ccagtgaagc gtgcattcta 60
 aacgtatcta ggacgaaaac tgaatttttc taattttata gataagaaac atcttttaac 120

attttttttt tcaattggat gttttcatct aacttctttt gaccattaat tgtagactt 180
 ggagctgaca ttcctattag atgcctatag atgtttggaa gagttttggt gctgttatgt 240
 agttcaatgt tttttctagg tagcagtcac gtcgggttat gatagcaatc atttcttacc 300
 taaagtgtat gtttagatgg atagcatatt ctctgaaagc ttttaacaact attctatcac 360
 catagaactt cctcattgat tgtcct 386

<210> 22171
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 22171
 tcttagtttc agatgatgca gatgggtttg taactatctc atgcactcct ctaatgacta 60
 tggcatcatt tctggcgcta aactgctggg agttggaggc catcttctca attaaatgtc 120
 tggcttcaac aggggtcatg tctccaaagg ctccaccact ggcagcatct atcatacttc 180
 tgtccatatt actgagtcct tcataaaaaat attggacaag aagctgttct gaaatctgat 240
 ggtgggggca actggcacat aaaatcttaa atctctccca gtactcatac aggcattctc 300
 cactgagatg tctaata 317

<210> 22172
 <211> 139
 <212> DNA
 <213> Glycine max

<400> 22172
 aaaacagccg gacaaagcac gcgcgcctta gaacgcagcc gggctggaag gcacaaacca 60
 ccacagaaca aagcaaagag gacacgacag cgacccgacc gaaaacaaag ccaaagacca 120
 cacccaaaga aggcagaca 139

<210> 22173
 <211> 499
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22173

gtgagggtccc ttttgattcc cattgatanc tttnactnn cncngacact ctncnaanact 60
ccatctctaa cgttctcggg acgatatggc ttgtatgtat atcttttttt acgagtgcag 120
cgggcgggtgt aatgggtgcac tactatccat tgggttgcac ctaattacct tagtccgtcg 180
tcagactcac cctctatagc attgcgttat tcgctcatga atattatcta ttccaacgtg 240
tttgaacctg ctaggtaatg tttatatgct cctcattatc tgctgaattt ctagcatggt 300
ttgctctcat ctogatttga tgacgaatat attgtttgct agctatatcc acgtgtgaat 360
gtagattggc ttgcgggtta tctattatt tttttaacaa gttttattct ctcttcttgt 420
gtgtgagtcc tctgcttagc tttgtctatc actgtgtttt cctttgtcct attccctctc 480
ctccttcagt cgattttcg 499

<210> 22174
<211> 385
<212> DNA
<213> Glycine max

<400> 22174
ttgctttctc tttatgaata atgtggtatc cactttacct ctggagaatt ctttttcaag 60
aagaaaatta cttaatcggt cataccatgc cctaggggct tgtttcaaac cataaagagc 120
cttttgtaat ttataaacat gatttggttt attagaaatt tcaaaaccag ggggttggtc 180
aacatatacc tcttcttgaa ttaagccatt tagaaaggca ctcttaacat ccatttgata 240
aagtttaaag ttcattatgg atgcatatgc caaaagcatt ctaatggctt ctaatcttgc 300
aacaggagca tatgtttctt catagtctat catgtaaaca ttattgactc tatgtcctac 360
atgctttata ttaatgtcat gctta 385

<210> 22175
<211> 443
<212> DNA
<213> Glycine max

<400> 22175
tggacttgcg agttgattct agccttagtt tcactttatt tatttttcaa ttcaattaag 60
aaagagaaat tccaaagaga aacgtccgat tgattttttg ctctatttta ctataagata 120
tttttttatt attatattat tattttacct ctctttggct tccaacgtaa ttacgggtgtg 180

accgaatgat cggatttcat tttaacagaa attaacagat attacaaatc acacgatccg 240
 tggaaatata ttttattggt tgtgattagg agagagaatg acttaagtca atgactgaag 300
 cacgtcaaaa ggggggtatgg aaagtaaatg aaacgagaat aaaagtacac gatacaaatg 360
 gtgaccacca ctggtacata gaatgaatag aagagttcga ttcgggtact taccggttga 420
 agactgaaga acaatgaaga acg 443

<210> 22176
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 22176

agcttaataa atcaatctat ggcttgaagc aagcctcctg ccaatgggtat ttgaagtttc 60
 atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120
 aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac 180
 taatgataag ggtttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240
 ggatatggga aatgcatttt atgtcattgg cattaagatc catagggaaa gatctcgagg 300
 aattttgggt ttgtctcaag agacttatat taacaaattt ttagagagat ttaacatgaa 360
 agattgttca ccaagtgtag ctcccattg 389

<210> 22177
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 22177

gtgcttagtg ctctttctta tctttatagt catagttgct ctctatgccg catggtgctc 60
 ctctcctagg gaggttgctc gagaactaac actcaatcac tcgcttgagt gtatcatcaa 120
 gaccatgac aactgcactc acgctcttga gaagaatgaa gaatctggct gaatatcggt 180
 gttacttggtg gacgggggac atcaacatag gagtatgttc aatcgggtat cgatgatgaa 240
 tcataaggcg taggggtgtga gggttgattg attctttatt ccttcctact taacataaag 300
 attagcgagt gccaggtgtg caggttgaat acttaaaaat attcatattc taaattctaa 360
 acattaaaac actatcacct ttcgacaaat gtaaaagata acacgaaatc acaatgt 417

<210> 22178
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 22178

agcttttagtc aaggaaagta acccaaaaat gacaaagaat aggttggtga aaaagcataa 60
 caatactttc ctaaattggg tcaaagatac aatattgagt gatgataacg cttctaaaat 120
 gttaaggaag ctagtagatg ggcctaaaag aaatgttata acatggcaag gatacaatat 180
 cagcaagtat tcattctaca tgaaatcaca agatgacaat agtataatga aaaataatgg 240
 ggtagtcta agggcttaat cccaacactt tgctactaat cttgataaca atccccgtgt 300
 agttttcatg ccttactttg gaatcattaa agaaatctag gagcttaatt atgcaaaatt 360
 cattgtctgt gtttataagt ata 383

<210> 22179
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22179

ctattcatct ttttcattct cttctccctt tgccaaaaag aattcaccaa ggactaaccg 60
 cctaaattct ttntgtgtct ctcttctccc ttttccaaaa gaacaaagga ctaaccgcct 120
 gaattctttt gtgtctgcct tctcccttgt caaagaattc aaaatgacac agtctgagaa 180
 ttctcttgat tcttgctttt cccttacaca aaagatttca aagaactaac cgcttgagat 240
 atctttgggt tccccctcac aaagggttcaa aggactaacc gcttgagaac tttgtcttaa 300
 cacattggag ggtacatcct tagctggaca agtagagggt acatctactt gggtt 355

<210> 22180
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 22180

agcttattct atcataaccc ctttctggaa atacatttcc ggtgggtgtga acgccttgct 60
 cctgcccctc tcctttgtgt gtgctcacc catgaataag cttgttcttg accttccacc 120

aaagctctat aaatatcacc cttgaaagtt gcattcagtg caattcatag ttcatgcctc 180
 ttatgcaaac aagcatgagg aaactacata gttcaacata aactcaggct cagctacttg 240
 gagattctat tataattgca aatttatttc tagttcaata aaattttcta atttaaataa 300
 ataaaatcat ccactgaagt taaatatatg gatatcgatt acaagtatag ctctctttca 360
 ggagtacatt tgctgataa 379

<210> 22181
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22181

ctataaaact cagcttatct ccaggcatat aatgatcgct cttctggctc tatcaatcat 60
 ctctgatgtc tcctttgagc ttagagattc acacatcctt ttttgtcctt taagagcttc 120
 tacacagcca tgttgaatca agattgcttc catcttgatt ctccataacc cgaagtcatt 180
 ttcccctgaa aactttctca tatttgactt tgttgatcct attattcttg atcttgattc 240
 cccacagatg gcgccacttg ttggtggttg tataagttct ggttctctta gaacctgcac 300
 aagataaaag aaaaaaagaa tacacagcat acacgcacag cagagcaaga acccaaagat 360
 ntacgtgggt cgacaatgtg cctacatcca cgggaaagag cagctcatca tcatcacatt 420
 gatcatgaaa ttacaagttc atacaagc 448

<210> 22182
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 22182

agcttaagcg tcttgttcaa tcaccaaatt cgttcttcat ggtataaaaa cgttcttcta 60
 attgttatta tttgaaatag aagttcttat ttgaagcatt tcgtatgttt taattatttg 120
 ttgtaggatg tcaagtgccg gggctgcttc aacatgtaag taggatcttt ctttttattt 180
 gttttaatgt gattataatg ataatttatg taagtgcgt taatttggtt atgtgccttt 240
 ttttttaatt tggatgcaga acaactgtgt ttagccactc ccagacagtt gtagtatgtg 300

gtaactgccca gactgtgttg tgccaaccaa cgggtggacg ggcgagggt accgaaaggt 360
gctcttttat gaagaatgga gattgaatg 389

<210> 22183
<211> 368
<212> DNA
<213> Glycine max

<400> 22183

actaagctca tatcctatct tatacactac cataaagttt atctactttt tcatgaagcc 60
accctaattgc tgatacaaaa ttcaattggg tttattgctt gtattgtgat attatatcat 120
catttattgc tgctgctaata gctatggatg tatacctgtc tgactatgta caaaagaatg 180
gcaatggcct taattttatt tgaattaatc aaaatatacc atgtactagc agtatatgtg 240
tatgtattat gtatcttggc tatatatgtc ttggctatat ggggctttct ggtatgaatg 300
atgctttgat atattcgatt cggtttatct gaagaaaaac cgcaagggtta atgataaata 360
tgaaaagg 368

<210> 22184
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22184

agcgccgatt ttttgggtca gataccgtga attgagacat agccctttga ttttcacaac 60
gaacctngtt acgcttgctt agatattggg gctgccatt tgcttgtcac gactaaccaa 120
ggcagaacga aaacattgaa ggaggtgtaa tcagcccggt ggtgtgaatg cgacggctac 180
ttgtgtggac gatgaagcac cctgaagctt acctagtagg gatccctgac tgagcccggt 240
aagttgtgctg tgtgtaaag 259

<210> 22185
<211> 283
<212> DNA
<213> Glycine max

<400> 22185

tgtgatgact catagagaat cagactcact tcgtatgaga ctgctcttgg acaatcctaa 60

aaagttattg gcacacctgt cttcaattag aactatgggt agcttttaggt gacagtaaag 120
 tgtgtctatt cagaaagaac ttgtttgcag acttgaatta tagattcact ctgaatttca 180
 tgcacacaac gggtaaaaag tgtatgattt actccattta tgcacttgac tcgatcatgg 240
 tacgttttag gcctataata caaagttacc caactcgata aca 283

<210> 22186
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22186

agctttcata tgactgcaaa ttacaagttg cccctttaa tataaaaggg taataaatca 60
 tctactacag tagtagccat ctaacctcaa aatttttagaa ctcaaccagc aaatgttgcc 120
 tcaactctat tctcctgctc gccgagaacc gacactgcct ccttttcacc tattaattct 180
 accattacca gtctacatct ctgactataa aaacgttgca ggtagatgat tcaaaccggc 240
 ctaacatgta tgccagggtta atcatagctc atcatgacct tcagtttgct cagttaccgt 300
 ctcttcgctt gtgccttctg aactgttaac ggatgaatca cttgaagagg aactatcagc 360
 tgagttagaa tcagaattct ctgtattc 388

<210> 22187
 <211> 467
 <212> DNA
 <213> Glycine max

<400> 22187

caatactcaa gcttatcata ttccctttca accaagttga attctcaaaa tgagttttgt 60
 ttatcaaaat atagagtacc ctgaagtaaa gtcgggtctca ctatacaaaa tcattgccaa 120
 aagtctaaaa ctttacaac ttatagaaca taagatttag aaaaagaaca ttgaaaattc 180
 acaacagctt cagatgggtt taccacggca agcgggtcct taaagaacta gccttggtca 240
 ttacttgaat aatgaaagac aactaaggaa tgatttttgt aactcaatta ggcaactcga 300
 atggcaaaac ttgagaaatt gtaataaaac caaattcctg aaggattctc taatcctcta 360
 aaacaggagt tgcaattggt cggtgttcc ttcggctgct ccacttctcc tgaccatac 420
 acagaatcac aattctattg ttgctcataa ttctcatttc ttcacaa 467

<210> 22188
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 22188

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agcttctagc caaatggact taccttgaat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120
atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg gggggttttt 180
gtttcattgg acaacttggt ttgttggtta tgcttcatga tgtatttttg gccatacttg 240
atgtacattg tatattgggt aaatgttggg catgctgaat gaaatgttgt ttctcaaagg 300
ctaaagagta aaaaaaaaaa aaaaaaatc gaaaaaaaaa aaaattcgaa caaaaaaatt 360
cgaaaaaaga aaga 374
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<210> 22189
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22189

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ngcaattgca tgcggttata gatgaagaat ccgctatact gngcctacat ataaaacaca 60
ttgccactct tcccatttta caaaattata tccttactta ttagcggcct ctacgcgacc 120
ctgggtggcc gcacgcatat acataaattg cactgagaatg gggaccatgt cccatgccac 180
attgcttcag aaacaacata cgctaacgc cttctccttc agatcctcta ctactacaa 240
catgcgtgaa tccccaccca aactgccacc cccatataag cgcactctca caatatggag 300
caccttgcca tgaacatata catcctgcgg gaaactaaaa acatcaggag cgaatactta 360
c 361
```

<210> 22190
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 22190

ttgcttttagt caagaagaag atcaataatg agcaattaat atggacctta ccagcgacaa 60
 tggaagggaa agaagggacg ataaataaaa agaagaaaaa gacctttcca tagataaagc 120
 tttggtgctt cgatattgtc ctggcatcac attgacatgg gccgtaaaac aaggatatcc 180
 gatgaaatgt ggagttcagc ctttcacata tacattccta gctaattggtt aatgtgaacc 240
 tgccaccacc actacagata atgctaacct gtctatcttt tgcataaatc agaaatctcc 300
 accttttgat gattcctgga ggaaattaag gtgatttcaa atatagggat ctttatcttt 360
 taatgagtga agtc 374

<210> 22191
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 22191

tcattcagta ataaaatagt tactttttgta gaactatctt ccttgaaagt tactgatgca 60
 tagaggaatt tcgaacttga aaacctgcta acacatgttt aaagagttta cataaactct 120
 agatatatgc cactatggcc agatcaatta tcttctgac caccgatagg agaaaaattc 180
 attaccgttc tccacgacta atcgacgcat gttaagtgtg ggtcaagatc tctgcatatt 240
 tggatcatctt tattcgatta aacgggtaca ttactacat ggatgggtacc acaactctca 300
 cacacttaca aaaat 315

<210> 22192
 <211> 574
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22192

gccgaccaca ctctaagtc ntatatgatg agttgatagt atacaggtagt taccgagacg 60
 tatacatccn nntcttattn nnaagcgagg acanncttga tggcgatcga acgcccctncg 120
 caaacaanna nnaaacgggg ctggcgaggc cttacaggca ccaccgcgcg caggttttct 180
 tgtctttgcc aaaaaacaca atcaggacga aagaaagaaa tggacaaccg ccgatcgggcg 240
 cgaaaaacac tgactgaaaa cgatattgga taccacagac gtagaaagca ggcgaaacca 300
 aaggcgcaaa aggcgcccgt gggtgcgcaa caagctacgc gtgggtcagg gatggcacat 360

cacacaatgc gaggcgcaga cgacgcgcgt atcgacacca gctggagcac acacaaaacg 420
 aggcgagcgg agccaacaac gaatgccggc gccacagagc agaaaccac gcccatgagg 480
 atagggaaaca aggagacaga ccacggaagc cccaccgggc aaagataacc ccgcagggag 540
 acacaccgcg accacgagtc catggcaaca accg 574

<210> 22193
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22193

tgtgaatcga tagaccatca cgagtgttca ttgacatgta cncttgtgtc aatggcacgt 60
 attggcgctt ggcatccatt acattcagat ctagctccat gtgcataaag tataaatgtt 120
 tgatcaagtg aaagagtccg aatcaacaca aatctataaa gaaactgaag actctacact 180
 ataccatggc caaagtatct taccacaatc atggtgacca caatgcccat aataagatca 240
 ccactaccct aaagatcaat gcctaccagn cgatcacagt cgtgataatt cgataacggc 300
 tgtgatcaat tcatgaggac cgtgacagat ccataacacc ctatagcact caacgtcaat 360
 gtgtctgata ccgatcaccg tagatctacc accgttcctt atgcg 405

<210> 22194
 <211> 359
 <212> DNA
 <213> Glycine max
 <400> 22194

ttgtatgtaa gtaccctacg gagggggggg acgacttggg gaagaacatg agtggagact 60
 atgggctttg catctccatt tccaaatcca ccaagaggtc gtgacaaacc cattgcttga 120
 tgagagggaa gaagaactac tggtgggcaa ggaaacccaa atgagtcaa atctctctgg 180
 catgcgaaca atcacgaaga caatgaagag tgtctttctg cgggtgggag caatcatggc 240
 atgccgccca agtagctaac tagtgacgat agcgaacatc attggttggc aaggagaata 300
 agccaacaga aggtgctaata tttctatgga atgagaggct gccaaagcca tttgaagtt 359

<210> 22195

<211> 444
 <212> DNA
 <213> Glycine max

<400> 22195

gtgacttttta caataaaacg ttatatgtat atgttcataa tttatgattc aatgtcaatg 60
 tgaattttttt ttacaatgtc attacatgat cgatcattaa actcttctta taacaacatg 120
 gtgttatctt tgtttaagaa aatttctcca agttacaagt taattaaaat atcgatgact 180
 aagcttttcga caagattaaa gtgacgttgt ttctatcaaa atattgtctt tcgataaaag 240
 atggtttctt gacaaaatta ttatgcacat ggaagaatag agtgctcgca ggaggagt 300
 gaatttgaat ttgaaataaa agttacaaaa gttagcgaat agggttactt gaagacatta 360
 gacgtcgta gatctaaata attaggaact tgctgtactc gtgtcaaaaa tctataattc 420
 gaacatctag tggtgaaagt ttat 444

<210> 22196
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 22196

tgcttctttt ggaccttgaa caagcaatta actcctctt cagaaccatg ctatgtgctc 60
 gcgactggac cctttcttcc ctctcgcaact tgagttcact attgctaccc catagagctc 120
 cgcaaaattt attccggcca tactcttctt tgcgagccct cttggtttct tgttcaaggg 180
 ctcttgcggt aatcgcatc tcttcccgta acccggcaca ctcttttoga acgtgtgtag 240
 cggccaactt gaacttctct ttggcaagtt tcgcctttcc taactcgctt ttgagagctt 300
 ggacttcttc gtctcttcc ggtgctacaa aactctcttc gctgacgact tttaacttgg 360
 cgagcgcac taaacttcgt atat 384

<210> 22197
 <211> 451
 <212> DNA
 <213> Glycine max

<400> 22197

tgcttaagaa gattgctaaa gaagctagag cttatctact acatacttct ctaatagcta 60

agctcacctc cttgagatga gaagctagaa cttagctaca caccacctat aatagctaag 120
 ctcacccccca tgacaaaaaa catgaaaata cacaaaaaag tccttactac aaagacaact 180
 cataatgccc cgaaatacaa ggctaaaacc ctatactact agaatgacca aaatacaagg 240
 cccaaacgaa ggaaaaacct attctaatat ttacaaagat aagcgggatc atacttagcc 300
 catgggctcg aaatctaccc taaggctcat gagaacccta gggcctaccc ttggatctcc 360
 agcccaatct acttggagtc ttctacccaa tgcccttgca cgataggatt gcatcagatg 420
 attaggatat tttatgcaaa acagggcatg c 451

<210> 22198
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 22198

ctgtgcgcca cctgcactaa tgactcggcc tacgcgactc actgaccgca gtaccgattc 60
 cttcgatcca attcggtaac cgagggatcg actccaatat ttgactggac gtgtatagtg 120
 tataagccta cattgtgacc gtcgggatct actagcaaac atctagagct catgatgtac 180
 tactccctgc ccagccaacc acacacgtgc attttctgca ccaagctaata accctgctgc 240
 acctattc 248

<210> 22199
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 22199

ggatattggc tgagcgatga cattgttgag ctgccgggaa cttaggccat gtacgaatgg 60
 cagccacaac atgggttcct tcctcattct catcctcttc atttgcccca gttctctcat 120
 tcatcaaagt aggatgctca aatttgctc ttttcacacc cacttogatc ctttcgctgg 180
 cgaagacaaa attcggaag cttgaagggtg cgtaaccac cattttttca tagtacaaca 240
 ctgcgaatgt gtctactatt attatgatca tatacttctc catcattgga ggtgccactc 300
 gaactgccaa gactctccat c 321

<210> 22200

<211> 382
 <212> DNA
 <213> Glycine max

<400> 22200

tagcttcaat ggctcaatga gcaatgggaa atgatatgtca atcaacaaat aaagataccc 60
 ttttctataa gaggtctattg tgataaagat ttatatgata tgatccctat ggaagcaggg 120
 cacattttgt ttggtagacc atggaaatgt gacaagaaag caatccataa tgggtctcacc 180
 aatgaaataa ccctcaccta tggaagcaaa aagttcaaac ttgttcctt tacaccttca 240
 caactggcca gggatcaagt acaataaaaa ttcaaagggt atgagcaaaa gaatagaaaa 300
 agataagaag aacaaccttt aatgggttaag gaggagtgtg aggaggttaag tgtctactct 360
 aagagattag ctaagaagga aa 382

<210> 22201
 <211> 260
 <212> DNA
 <213> Glycine max

<400> 22201

atgggcagct caccaacatg tctttctcgc ctgacacgat gaccaaattgc cccttcacta 60
 cgaattttta cttttggtgg agtgtagagg gcacaacttc cactgagtgg atccacgggt 120
 gccacaacag acagctgtag ggggggttaa tatccattat ttggaagggtg acatgacacg 180
 tgtgatggcc tatttgtact gggagatcga tctctccct aagctcttgg cgagtgttgt 240
 tgaatgcacg aaccaccatt 260

<210> 22202
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 22202

agctttgaat aattgtcgtt cataattggg taagtgtttg tttgagttaa aggaatcaag 60
 aagtatttgc aacacaccaa aaatctcttg gattaattga attaaggaat gtattttgaa 120
 aagttttcat gtgggggtcat atatcatttt gaaatcaatt ctctctcttt cttgggtttat 180
 gataattttt gccattattt ttacatata aggcacttag agaagttatt tgcactaac 240

atattaataa aatgcatatt ttttagtttc ttaatggaat ccacattcac atgtcccaac 300
 ctataatgcc aaagattaac agattcaaca atataagcac aaccagtaga gaaattatta 360
 ttagatgcaa aagcaatagt g 381

<210> 22203
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22203

ttgtggcaaa cttcactgca gaattcataa gcttggtatg tgctaaattc cctgtcaagg 60
 tacctcaaat agtggacaga aaatttttct tcaactgtggg gctaggggact aatccttgcc 120
 ccanaaacac aacatgccaa gggccaagta ataacaccaa atttgcagcc tcagtgaaca 180
 acattttcttt tgcacttcca tcatctgttt ccacatgca ggcatactat tctagccagg 240
 ccaatgggggt tttcaagact gatttttctg ccaccccttt gaaccctttc aactacacag 300
 gaacacctcc aaacaacaca atggtcacca atgacacana gctgggtggg ctcaagttta 360
 acaccagtgt ggagttggg ctgcaggaca ctagtattct tggagctgag agccatccct 420
 tgcattcttca tggttatgac 440

<210> 22204
 <211> 309
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22204

ccaccacaca tgggaggaaa agaagacaag accaatnngg gggttgactc agcacaacnn 60
 aaaaggaagc aaacgaaaca acgactatta cagagcaca ggcagaaacg cacaacccaa 120
 aaccacccca cccacgcacc aacagccaac cgacgacata aaggggcgga cccaagacc 180
 acccaggccg ccacacaaca cgacacgacc aacacccgcg accaacacaa caccgggaac 240
 aaggaagaca cagacggagc aacgacacga accagaagca gagccaggag acggaacaa 300
 ccccaacac 309

<210> 22205

<211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22205

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agggtcacgt gatccctgat cnttgaatgc aaacccccnn nnannaggtg ttagaganag 60
acatgttttt gactttaatt aaataacaag gggaggtacg gaaaatgtat cccatcactg 120
catcatgcta ttaagataat gattgactgc gacggtttca cttctgacat atgtcgtgtg 180
gctcgtgaac tattagggaa ttgtgagtga tgatacctgt acgagagacg tctagaagac 240
ttcaagagtc cattactatt cactgatggg gacagatatt gattatgcct cgttgttaga 300
tgaattctga catcaagtat agcgtgaaca ttgcggatga catctgagaa cgtcgttttag 360
aggcgtgcg caggcgacag taaattagcg agtcgcgagt tacatataac gcgggggcct 420
tcgatcacia gtctattatg gtaattgccg 450
```

<210> 22206
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 22206

```
agcttatttt agagataata atcaccctct agtaagtga atcagtttca gtctgcctca 60
tttctaacat acttctatgg agaccatggt ttcacaaaac tgatttattg tcttcccaga 120
gaacgagagt aataatgcct ttgtaattta aactctagaa acacatgcac gcttgatcca 180
agtctaaaac cgactcttca aaacaagaaa atcttcaggc aacttaattg gtaacccatg 240
atggtttgaa ttctctttac caatataagc tgtattaaat acacaattaa ttttacaatt 300
actagtacaa taatatattt tgaacctact tttcacacia ttaggagtga agaaaccagc 360
tcgtgtcata ctctgtttac gta 383
```

<210> 22207
 <211> 575
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22207

agagagtcgt cccnttttga tcncatang annacgtaga ctataccac acncacgctc 60
 atgcatangg taagtgtaca tacataccaa gtcggtctca ccacnctcat aactagtatt 120
 tttgctgatt gcgatgacac cggacattta ttgacgttct cttgcgcgtg cgaatattct 180
 agtcctactc caaagcctcc nctaactgtg ctgttatgtg atatcactca tccgatagan 240
 ctagacctgt tcaggaactg gtgatcactt acataccact actggattat cggagttcaa 300
 ttaatcatct gcattctcaa catcgtcatt gnactctcaa ctttttacag ggtttgatat 360
 tatatgctca tattttcgat aggatataca aactatctaa aggaatctga gttggcatca 420
 aaatcgtgaa gaaacgaatc cattatttgc ttacttgaga tatttacgta aggaatttaa 480
 gtcctgaatt tatactcatg aactttcttc ttacatatat tttcgtgatt ctcaggatct 540
 catactgtga agaaactttc ttgtgcctct ccacg 575

<210> 22208
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 22208

agcttcattc aaaaactgct ttcaaagctt cttggtgggg aagcataaga tcctagttaa 60
 catcctcgaa tttgctgata atactatattt ttttgagaa gcttctatgg ataagtcaa 120
 agctgtgaag gccattctta gaagctatga gatggctca ggcttgagaa ttaacttttc 180
 caagagccac tttggagcaa ttggccaatc tgaagaatgg tgttggtttg ctgctgatta 240
 ccttaatttt gccatgcttc aattcccctt ttgctaccta gggttgccta taggcattaa 300
 tccgagaaga aagggtggtgt gggagcctat catttgaaag tttgaggcta gggtgaacta 360
 gtggaatcaa aggagcatct ca 382

<210> 22209
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22209

ntngtggaca tttctgactt tcgccagtaa ttggtgttta ttaagatcca aaagccttgg 60
 tcaagactca ttcataattg ttccaatga ggaaaacttg ttgtcacatt cccaggtgtg 120

ctcttcaatt ctgcaagtc cgcctcctgc aaagatgcta tgatttgaat tttaacatca 180
atgggtatca tcattcagtt gctgttgccg ttgttgctgt ttttcttttc agagaaagat 240
ggttcagtga tgcattggact ggaaagtcta tcttgaacag ccaacctttg tatctgctat 300
caaattctttc ttttataata aggatggagg gaatcgtaaa tgacactctt caatccttat 360
tttgttacct taaataaatg aataactaaa tgtagatgc tagtcacagt agtgtacctt 420
ctatcat 427

<210> 22210
<211> 390
<212> DNA
<213> Glycine max

<400> 22210

agcttccatc aagtgatatc agagcattag agcttcaagt aggtgctcct taaacctcca 60
ttaattttca gctttacctt ctctctatt cttgtttctt catttttctc catgtacctc 120
ctcacatgtc ttatgctaaa tgttggtcac atgattcttt agaatttcca ctgattaaac 180
ttgctatatg tcttacccta atttcgtctg ggaaccatcc gttgttgagg tgcgaccctc 240
gtttgaccac ttcgaggat ttggcaccca tcgttaggca atttgtgaag ttctgagaca 300
tgccggaagt caaaagaaaa gcgtcgtaac acaatccgtg aagttccgtg acatgtcgga 360
aattaaaagg aagtgttagt gcgaaatccg 390

<210> 22211
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22211

gaaattaaag atattcaaca tggatgatca agattgtttc tagagtctta ggaagggtat 60
attacatagg aagggaattc ctatttgaag tatcaaaagg tttggccaag aaatttaagt 120
taaaaagctt tattcaagag atttactctc tggatcatcaa ttaccagagg atgtaatcga 180
ttaccactgg ccaaagatga ttacaacag ctattaaaat ttgaattcaa aatttgcact 240
gtgtaatcga ttacacatat atggtaatcg attaccagca gtttctgaac attgtaattc 300

aaatgttaga gcttgtaatc gattacacac atactgtgat cgattaccag aggagttttt 360
cagagaacat tctcaacagt cacatcttgt tatctatttc ttaaattggcc atcanaggcc 420
tatatatatg tgtgac 436

<210> 22212
<211> 393
<212> DNA
<213> Glycine max
<400> 22212

agcttggttca ggaattatct gtatgggttg gatgttgaat tctgggttgt cctggtgtgg 60
agatgatggt acatgtttgt gaaccagaag cggaagtctt ttttggtgag gaagccatgg 120
aaaaacagag cgtttggaat gatttcgtaa atctcagaaa actattggga aatgctggtg 180
aaaacacgaa tgccacgaaa atataaattt gaatgaggaa tgtagagggc cgtgtgaagc 240
aacggtcgaa tttgccttgg ttcagtagtg aacgtgctat taatgttaag tgattcgttt 300
gggcacgttc agatatcagt agttgctaca attcctctag cagacaaatg cccagcttgc 360
ccctcagttt ttcaaaactga tttgcatcca aag 393

<210> 22213
<211> 120
<212> DNA
<213> Glycine max
<400> 22213

ggggcttgcc aaccactgac atccacaccc ggctaaagca ggaactgttg tcttacagca 60
ctctgcttac actaagacaa cacccaacag tccgggtgcg ccctgaattg tgcaatgcga 120

<210> 22214
<211> 381
<212> DNA
<213> Glycine max
<400> 22214

ttgttttaca aaagcagatt gtaacaatga tggaaaactg tgtagttaaa tgaagatgag 60
atgaaacatg cacaacacct tgacttatat agacacaaaa aacacgagac tagagataga 120
aacttaaaaa taccagtgat ccaacagcaa ctaaagcacg aaatttgggg tcgacttcaa 180

cattgtcatc ctcaccaatc tgcacaaaaa caaaatacat atcagtatag tctacaaata 240
 ataatatcta aaagtaggaa atgtgatttt aaataatcta gacacgtaca aatgtaaagc 300
 aaatgcagct ttagtatgac aaaagctagc attatttagg agtgaaaatt tgcactgatt 360
 agataacata ttgacatgga t 381

<210> 22215
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 22215

tctcagcttg gcctttgctg atgtcatggt ttcaatttta agttgtggat atcagggtcga 60
 ttttgtgtgt tcgtcgtgcc ataattagtc gaggtaatag aaccactatc ggtctgagag 120
 accaggcgta atagttgata aataacgcac taatgaagaa aacagagctt tcataatcgt 180
 agaaaaatgt ataagtataa tgaacgttat attaacggcc aatttttaac tttcaatttg 240
 cttcttttgggt attagcgttt gtccgtttcc accatatatg atctattact taagcataac 300
 aaaactatca taaattggat taattgacca cacattatga agcaggccaa tgagaa 356

<210> 22216
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 22216

tgctttgaac atgttgcaag caaacttgaa cagcatcatg tactctcaca aagtaccatt 60
 ctttgcctat caactccacc agaccggatc tagacaaggt aagcagaact tctggacttg 120
 gattggatat tgcaatctgc aagaagaata agctcaagtt ggttgggtgga gacattgcaa 180
 acctgtggcg attatttcaa gaattctaac agtagttgaa actttgggtat cttattctac 240
 ctgaatgtcc cgtaatttgt actcctgata caagtctttc aaagcctgaa cagcactaga 300
 atctatgtag gtcacagctg cagtcatcac aagtcataac cacatgatta gaagaaagta 360
 gaattatcat cattatccct ttcatt 385

<210> 22217
 <211> 373
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22217

tgcatgtgca cacattaagc gtcatgtaca ttacatctga ctacaatgac cactagatgc 60
ttgacacatg ttcttccaag ttggacttct cgcgctgagc gcgcacaggc acaccaagtg 120
aacggcttaa gttctaacat ttttcagtcc attgttggtg tactaaaact ctatagaaca 180
agctaaaact ataaaattca ttaacattaa ctttctgaag gcaaaaaaaaa caatcgaaat 240
ttttatcgaa aaccgagcat taaaagagaa naaaaatgag ataattgcta tttaatttaa 300
gtgcaaaaac caagtataca taacaatttt catatagtgt agatggaact ttattgctta 360
tattacacgt ata 373

<210> 22218

<211> 387

<212> DNA

<213> Glycine max

<400> 22218

tgcttttagg ttgactagtt cattgacatt cagcaattga aggagatata catctatttc 60
aagaaaagaa aaatcataaa agacagtgtg cattaaaaaa aatcaccttc attggctgca 120
tcaacttgaa caaccatgca tggtctgaag aaggaagaac tggcggaatc ttcattttct 180
tccagtccat gctaactaaa tcagttgatg ctgaataatc cctgataagc acatcaatat 240
tttgactctt attcttaaca ttcttttct tctgagtttg atcaatcacc tctcctttg 300
cattatTTTT caatgcaatc ctcttatcaa gactcaatcg tttggccttc ttattctggt 360
ttctaaccac attatcacia tttccat 387

<210> 22219

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22219

ntaattgana ttaagttatc taattatgta agttcttgat ttaatcccta ttttctctcc 60
ccctttggca tcaacaaaaa gccaaagtgc ataacacata taaaacatac ataatgact 120

aatcatacaa gacattttatt gaaaaatcta aaccgatcat gaagcaaaaa acatgaaata 180
 tccaaattaa aatataaacc acataatcat ataacataat ttatagatgt tcagttatag 240
 taagcaaata gtaaaagaaa tactaaatgt tcaaatgtca taatattaca gatcatttgg 300
 ataagtcact agcatctagc agtcctaatt ctcttctaatt gttgaagaag gaatctttat 360
 ttagtgtcta tgagaagatg tctgcaagtt gatttttagt atctacaaat tcataacaac 420
 atcacctgtt agaatatgat ctctaata 448

<210> 22220
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22220

tagcttcaga ccaaagcaac tcaaaatcta ggtatccaaa acccctcaat ttaatggatt 60
 ttcaagggtt gagaaagtga attgagaatg aggtaaattt ggagcaaact ctcacctcac 120
 acaagtctat aacatcaatt taaacttgct caaactggat ttacacctaa aattccaccg 180
 aatcaaaatt tgactcctca acaccaatt ttaccctaga aatggctctt tgttcacttt 240
 ggtcatttgt ttttctctct agcacagccc aaactttctc ataagtccta aatgacattt 300
 caagctagga ttaactcact ttaacctcca aatgccacta aatccagatt tggccttcca 360
 actctcaaaa ctcaactc 377

<210> 22221
 <211> 170
 <212> DNA
 <213> Glycine max

<400> 22221

gaacgctcga ttgactttta tgattattgt agccaaagat atttcgatta cttcattatt 60
 atttttcccg atattttgaa tattctatta actttccgct tgttgtgggt taactcgcca 120
 tgaccgcgct gaatgatcgg ctogattttg ttgttgcagc gattaatcga 170

<210> 22222
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22222

agctttgatg gtgttgagaa gaaatcacat gtttgtcatc atcaaaaagg gggagaatgt 60
 gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaaacaag gtcatttttg 120
 cttcaagatt aatacaagat tgtttcaaca aacaaagcct tgattcaaga tttcttcaag 180
 atcaagcctt gcctcacaat gaaagggttc aagtcattca aggcacatgt aatcaattac 240
 caatacatgt aatcgattac caatgggttg aaagtgtgta attgattaca catcatatgt 300
 aatcgattac cagagactct gaacgttgag aatttaaatt ntaaataag ggtcacaact 360
 gttcaagaaa aacaactgtg taatcaatta cac 393

<210> 22223
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 22223
 agactcagct gcttctatgt gctttgattg ctgtattcga tgattaatcc ctgtacaata 60
 ggctcgttta aaatccattg gtcagctct catttcactt aatttgggtct tacgttatta 120
 cttgtctcta tcggtccttg ggtgggggct gccatatagc gaattggaag gaggattgga 180
 gccatccctt gaccaatttg agttaagaag aaaggtgccca accacgttat gagctattgg 240
 actaagactc actacaactt gagtgaatca ccaccgag 278

<210> 22224
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22224

agcttggtgc taaaacatgt ccaaggggtc taaaaaattt taactttgag gtttaacaac 60
 gtaatccgct acaaccaga aaaacataat acccagaaag agggagcgca aggcagcaaa 120
 aaattggaat tcgtgaggag ataattcacg tatgttgaga tagagagaga gtcaaagaag 180
 cataccatgg cgaattgggt catactcatg tcgaaggatt gaacaaagtc aaaggctttg 240
 ggggttttagg gttcccgatc acataaattt gaaagaagta tcctactctg cacttcagct 300

tcagacttgt tcaatcgacg ggagttgccc ccttcttttt cttttcattt atttatgaca 360
actntttntt ttatttcctt tttta 384

<210> 22225
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22225

cttattaaat tagcgtgtta aatattnttt aaaaaagggtg gcgctcatgc agtttaagtt 60
cctctgtaaa cttggtggaa aagtggagaa attattgttg tgtaagtttg ccagacttac 120
cctcatgaat caatgggttaa aacttagaaa acccaaacgt actgaattag taagggtaaa 180
aaggtatttt tattaataat ctatttcctt tttttcttct ttctttcaaa acaaacttta 240
taatattatt ttcatttctc ttaaaccaaa caattcatat tttcatctct tttctttctc 300
tcacctactt attttcactc caactatttc ttatctctag taaacaaagt ggtcatcttg 360
tatagagaaa cttcgttggt ccataatttc aat 393

<210> 22226
<211> 380
<212> DNA
<213> Glycine max

<400> 22226

ttctattatt aacagcttag atctagtgc ctgaactatg tttaatagca gtttgattaa 60
taaaacttag aacagcttat gtttagtttt ttataaaata attcagtttg taatagttta 120
attcattttg gtattaaagt agttcacaga tcacattaat tttttggaca cccctaaata 180
ctttccattt gataatggca taatatatgg gagaatttac ataactcatg aatgatactt 240
actaggccta ctgcaatgtc aagggtgatac ttgcgtcctg tagtgtgcac tgggtgcacca 300
cgactagaag tccggttaaa attatcattt atcacatcac ctactatgaa tttagaagaa 360
actcagtata aatgctaaag 380

<210> 22227
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 22227

tgttttgacta ggctattatg ctagagagtt ggagttttct aagtttgaca aatgagaagt 60
 gtagtttcta aattattttg atatgttgaa atgaaccata ttttgtagta tgtgcttctc 120
 cacaaccata tcctatatta gcaatgtcct tgagactagc attagctgct gcttctaata 180
 ccaaatccac acttaaaaat attgacaata cagttgatga tcccttgaat aaataatgaa 240
 catagatagt acatatagaa tcttggtcct tggaccatth tttgggtgctg ccgatgtttc 300
 atagaatcat gcaggatgga agcagganag ggaaaagggtt acttagctag ctagatatta 360
 tgccagacaa cctaganatc tgctagtaaa gttccacaat taaagaaaaa taaatattag 420
 tattcaagtg atgaataggg 440

<210> 22228
 <211> 526
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22228

ccccaccgag agacacaagt agagaagaag gaagaggaga gacaacaata ctaaatanth 60
 ancaggcgth ncttgagcat cgagacatcc aancnagnna aaacctagga aacgcatcca 120
 aagcacaaca ctatthtact tctaacgcac acaaaccgag aggaggagaa gaatggcagc 180
 accgagcgac aacacaaata caaacagcac caccgagag aaagcgaca gaaaacagag 240
 aaggcccgac gaaagataac aacaacgcag agtggcaaca ccagaacaaa aaaaaacaac 300
 gaaaacaagc ggcaagaagg ggccaccgaa gaaacgcgca ccagagcagc aatagaaccg 360
 agcgaaccaa gccaacaggg gcgcacaggg cggccaaacc ggaaagagcg caaaaacggc 420
 agcagcccga caatgcagcg gacaaacagc accaggacga cccgacaagt ccaccacaga 480
 gaggcgacac ccgacgcgaa acaacaccaa aacgcgacgc gaagac 526

<210> 22229
 <211> 734
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22229

gctgcgacgt acacnttttg atccttcgta tgaccccttc gaatacctca caanaatcgc 60
ggagatactc acgagagtng cctactgaaa ctagnaaaca gcggtttggt gaatatcttt 120
cacacattga acacaagggc gngatctgga ggggtactctc gttacaacaa atcagcggcg 180
tggatcatcta gctatgtaat ntntctatct cactggcagt gatcgtgcta gtgtacgtan 240
tgtantagta ctaatcgcggt gtgtagacgt gatcgtagat atatgagcat agaacgacta 300
tgcccacggc tctcgagana ttgcgtatnt gtagcacgcg cttgtcgagt atacagcgggt 360
gctctgataa nctatgattg tcgtangcgc tgcgccattn tnatcgagac taanactcgt 420
ctcngccggc acgcnggagt gagagtatat agtcacaccg cgcgatacac gcgcgactac 480
ggctctgtat atatatggta gtgatgcgtt attctgcgcg ctacagtatn ttaccttgta 540
cgactcggcg tgcttgcgcg ctgtctactc gtnagagtct caacgatcgt tctgcgacag 600
tctatctcct acgagtcaca catcatncga tgagtgcgac cgcgatgacgc tgatcatgta 660
tactacgcat atcgnanctg ctgccatgtg acacgcnctc gtgncttcgg catgctcgcg 720
cataccgcgc gcgn 734

<210> 22230

<211> 384

<212> DNA

<213> Glycine max

<400> 22230

tatcttgtag aatggctaga catgatacat gtcagggttt ggtttggttc aaggataaaa 60
gggatacccc acattatttc catgacacaa atgcaaaaat gatgatttgg aaattttatg 120
caaaactggg catgcatgca cctacgtggg cgctcaagtg tcaaattttt atgggtcatgt 180
gatgctaggg ctacaggattc atttcctcta ttttaaatac acccaatgtt tccaaaatat 240
gttcttttat caatttgtgc attcatccta gtccatttcg ggcgccggg gaaatttcac 300
agcattcacc cttcaggtgt agacacattt ttcaaaaatt ggttatgatc aatgaaatct 360
tttttttcac agaaaagttg gaaa 384

<210> 22231

<211> 462

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22231

cgggtacgat tgatccctta tacnttggaa ncacnaccct tcaaactcac gcattggctt 60
atgccgaaaa ccacttttgt acattttttg ncacggcccc gcccccttata ggggattgtc 120
actatacgcg cctccactgt caagattata cncctagcgg aacaacagac cataaatatt 180
tcctgagctt acctatagca tttggatata aagacaagaa cgcagtaagt tcattgtatg 240
acattagcaa ttgtgcctat acgactgggt tattcgtagg aaaatcttct cgctagagac 300
tagaatcgat gccagtactt tcggccacgt attaaggggg gggtaccgag agactcacgg 360
tggtctgac gcgatgggac ctttggccaa tggcttagcc cggcgaggga ttcttgcaca 420
ccctggatgg cgcgggtaac aacatgggg acggcgctta cg 462

<210> 22232

<211> 391

<212> DNA

<213> Glycine max

<400> 22232

agctttctta agaagattcc taaaaaagct agagcttagc tacacatacc tttctaatag 60
ctaagctcac ctcttgaga tgagaagcta gatcttagct acacaccccc tataatggct 120
aagctcacc ccatgacaaa aaacatgaaa atacaaaaaa aattccttac tacaaagact 180
actcaaaatg ccccgaaata caaggctaaa accctatact actagaatga ccaaaatata 240
aggcccagac gaaggaaaaa cctattctaa tatttacaaa gataagcggg ctcatactta 300
gcccatgggc tcgaaatcta ccctaaggct catgagaacc ctagggcctt cccttggatc 360
tctagcccaa tctacttga gtcttctacc c 391

<210> 22233

<211> 467

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22233

actcaagctn tcatatgact gcaaattaca agttgcccc ttaaataataa aagggttaata 60

aatcatctac tacagtagta gccatctaac ctcaaaatTT tagaactcaa ccagcaaagt 120
 ttgcctcaac tctattctcc tgctcgccga gaaccgacac tgccctcttt tcacctatta 180
 attctaccat taccagtcta catctctgac tataaaaacg ttgcaggtag atgattcaaa 240
 ccggcctaac atgtatgcca ggTtaatcat agtcatcat gaccttcagt ttgctcagtt 300
 accgtctctt cgcttTtgcc ttctgaactg ttaacggatg aatcacttga agaggaacta 360
 tcagctgagt tagaatcaga attctctgta ttctgctcac tgctttcggt ttcatttttt 420
 acgggcttct gaaccttagg tttgtgctng ngaattctat taatact 467

<210> 22234
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 22234

agcttttttt tattagaaat ttttctaaaa tgTttatggg gtaaaaaatt ctctattgta 60
 ttatttaaTt tataaattac ctTgtgccag aaatgtaaTt tataccttac ctataagact 120
 atagcattta atattttatt taaagaaata cagtaacaaa cacctatatt tttttattga 180
 gaaaataaaa taaaaatata aaaaaggacc ctaaacacgt gcaaattgaa cacctatagt 240
 attaacttgg aaggTggaca tgaatgttta aagtacgaaa gtctagcaga taaattcatt 300
 atcctaagaa atagcctaca aataccctag ctTcttaatt agctaaaaga tcaatacaaa 360
 aattctcttt tctaacaagg taattaagat 390

<210> 22235
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22235

ataaaaactc aagcttaacg atctacagac aatgcactcc anagtgtcat atttaatnga 60
 gttctcatat atataaaacc atcaataaaa gtaataggat cagtagttac tggTtgaata 120
 ttgggtatgt tgcataaaat ttcaaagaag gaacaggTta aaaagcagga ctgttagaag 180
 catacaggga aacatcagct aaaatcatgg gaagattttt aaacacaagg ttttcttgtt 240
 atgaagatga ccactgaact gataatttTgt gaaaaccagt aaaagaagca atgctgagct 300

ctgagtcac atgtaagtag ttacagacg cattgtgctc catgggctct aggaggatac 360
 agatagagtg aagaaagtat caatgtttaa gacgtgcaga gaactgatga gactcaagta 420
 gcatgtcaag aatcgaggta tctgtgaaaca cagcaagatg gtcttatt 468

<210> 22236
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 22236

agcttgttct tgaacggtac atgtatcatt tcaacgagtt gtgcgtacca ttaactctcg 60
 agacatcact atatatctct gcacctggct cactatacaa agggatgac atcggggata 120
 tgatcctatc tcggactact gggaaactca tcgttggcca aacatcgaga gagtcagcgc 180
 tgatacgaca ctggcttgcg aagtgaaca gattcattcc gccattcttc aacggctacg 240
 taacgatcaa tttctgtctt tgaattatat tagggatgag atggacgctg cttacactcc 300
 tgatcttcca ctgtgtaaga atgtaggcca gctaagg 337

<210> 22237
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22237

ctcacgcttg tctccctagg caggaccatc aaccatctag caattcttca ttccttgtca 60
 gcttcctttc tccctttctt tcttatacgt agtcttatgg tgtaccctcg gcttctgtat 120
 ttggacctct ggtttgtggt ctctgttaac tgcccttgt tcctcagctt ttgtatcagt 180
 attccgtatg gtggtataaa aattagaaca aaggagcat aatgctgttt gtgcttatta 240
 tgttgtagtt atgaattgta taatggtttt ttttaagagt gtctattatg ctaatgaaaa 300
 aggatacgtt cactgcacat tcaaaattca tttatgttaa tcaactaaata tgcattataa 360
 tattcataat taaattccta tgctgtcata tagtgctcat ccanagtgat ggatgatgct 420
 ttatttctag cttggtc 437

<210> 22238

<211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22238

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tagcttgagc atatatgtca tatgaaccaa gcttggttaa aatgtggtaa acccaacaaa 60
aacaaaaatg aagatgggtc tagttgtgtg gttgcgcaaa aaacctcggc gacagccaat 120
gaaggctcac agttgcgacg gtgttcaccc gtgaataaag caaagcacgc cctcaggtgg 180
aaggaggtga ttccaatgta acgctcacca gagatgcac acgcatcgtg tgcgtcaact 240
tctcttgccg ttgcgtgggg tcaactgtggc ggtgtgttga gttggctgcc catgtggatg 300
gcgtggcatt cttganaggt cgttgatgca aaccgataag aggggtggcac actggttgcc 360
aaacaagccc aatagtgggc acgag 385
```

<210> 22239
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 22239

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tgttgaagga gaatagataa ggagtttatg aagaggttgt ggtcacggca gtgtttggga 60
aggaagaact ccaagacaaa atcaaaatgg ggataagaag aagtccttag aggaatagcg 120
acggcagaat gcaagtcaaa gatgttggcg tggtagagaga gaggatattc ggccttggtg 180
aaggcggtta tgtccatagc aaaacagggc ttggcagttg tgaaggccgt accgacaatt 240
ccttgtccgc ggaaaaggtg gtgctgagag catgcctcct ggaaccccaa tagctggggc 300
tgaccatccc ccacaaaaca cgctctgtcc acaatcgaca catagtgtt ctcacccctt 360
gaatgcccac aatccacaca tagttgttgg acgcaaggag cccatgtcag atgccaaggc 420
acat 424
```

<210> 22240
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22240

ctagacatga tacatgtcag gttgggttgg ttcaaggata aaggataacc ccacattatt 60
tccatgacac aaatgcaaaa atgatgattg gaaatttatg caaactgggc atgcatgcac 120
ctacgtgggc gctcaagtgt caaattttta tggcatgtg atgctagggc tcaggattca 180
tttcctctaa tttaaataca cccaatgttt ccaaaatatg ttctttttatc aatttgtgca 240
ttcatcctag tccatttcgg gcgtccgng aaattacaca gcattcacc ttcaggtgta 300
gacacatttt tcacaaattg gttatgatca aatgaaattc ttttttcaaa ga 352

<210> 22241
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22241

ttgtgcttta tgcttaanag ccacacactg ttcaatttag tgtcatggga caccaccatg 60
ataggcgaat gtaatgatag gcgcatgtaa tgttgggatt ataccatcgg ggaactagag 120
gttcatagat ctttcctggg cttactattg ctatttggtt atcaagaaag tatggtagta 180
ggttaatgta tgacattgga attggggcaa ataggactgg tttcttttct gggaaatctc 240
ttctgggtta gtgttttagt taggattggg agtagtggtt ggtctagggt gtataagggg 300
tggattttgt gggtgatttt ggggtggtct ctgtggttga ttgggagctc ttgggtcgaag 360
gggtattgng cagggggagg gttaatatg gtcgagcagt ggtattggtg taggggatac 420
taatacatg 429

<210> 22242
<211> 386
<212> DNA
<213> Glycine max
<400> 22242

ttgcttgaga tgaggaagtg ttgaagggtg aaacttctctg cttttattgt tgaccacaga 60
gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtgggggtgct 120
attgccccaa accaagcttg accaatcccg acccaaccg ggcatagtca gttagtgaga 180
acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaag gaacaaagac 240
cacatagcaa ggaggcttgt ggtggctggc cagctgtgaa ctttgattga tatgtgggtt 300

atggcctctg gtaatcgatt accaatgggtg ggtaatcgat tacaaggcta agaaaatgaa 360
gacaggaggc taagatgggc tctgggt 386

<210> 22243
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22243

tctttgagaa aacttccttg agatggttaga gcttatctac acacaccctt ctcatgacta 60
agctgacctc cttgagaagc tctcttaaga agattcctaa agaagctaga gcttagctac 120
acacaccttt ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180
caccctctat aatagctaag ctacccctta tgccaaaaaa acatgaaaaa aacaaaaaaa 240
gtcgttgcta caaagactac tcaaaatgcc ccgaaataca aggctaaaac cctatactac 300
tagaatggcc aaaatacaag gcccaaacga aggagaaacc tattctaata ttacaaaaga 360
taagcgggct catacttggc ccatgggctt gaaatctacc cttaaagctca tgagatccct 420
anggccttcc cttggatctt tgcgccaatc tac 453

<210> 22244
<211> 384
<212> DNA
<213> Glycine max
<400> 22244

tagcttctat ctaaatggac ttaccttgaa ttaattcctt tgatagccct tttgagcctt 60
gtttcccttt ccttgttttg aagctcacta caagccttaa gtgaaaaacc atgatattac 120
catatcctta aggaattttg gagcttttga attgttttgg gaataagtgt gggggggttt 180
tgtttcattg gacaacttgt tttgttggct atgcttcatg atgtattttg ggccatactt 240
gatgtacatt gtatattggc taaatgttgg acatgctgaa tgaaatgttg tttctcatag 300
gctaaagagt tctaaaaaaa aaattcgaaa aaaagaaaaa gaacagcaat aaagttgagt 360
gaataagatc ttaaattggca caag 384

<210> . 22245

<211> 446
 <212> DNA
 <213> Glycine max

<400> 22245

gacctataaa actcagctca catatcagca ttaatttttaa atatcatatc taccctaaac 60
 caagaaaaca gggcagagggc agaaaactct gcccaaaaca cactcacata ttacaacttt 120
 ccttactcaa ataccccagt aacattctct tcattccgat tcgttaacag ttggatcgac 180
 ttgaaaattt tactggaggt tcctagtaca taagtctaca ttttgaccgt tgggatctgc 240
 tagaaaaatg tccagaacct aatatgtact acctttccca taaccagcaa tgcacaagca 300
 ttttctgcac atgttgagca attctgctgc acaaatttga cagctttttg ctgcacaatt 360
 tggcagattt cgaaattcat cttaccaca tccaattttg ctcagattgg atcctacaag 420
 tgctaaatca tgtataaatc atattt 446

<210> 22246
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 22246

agcttaataa atcaatctat ggcttgaagc aagcctcctg ccaatgggat ttgaagtttc 60
 atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120
 aggtcagtgaggagtaagatt tttttcttgt gttatactgt gatgacattt tgcttgcaac 180
 taatgataag ggtttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240
 ggatatggga aatgcatttt atgtcattgg cattaagatc catagggaaa gatctcgagg 300
 aattttgggt ttgtctcaag agacttatat taacaaattt ttagagagaa ttaacatgaa 360
 agatgttcac caagtgtagc 380

<210> 22247
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22247

cgacgagggt nccnnttttg aaccttagtt agatacgttt gactacgcta gacatacccg 60

ngacactcta gaataactgca tcttagtgct acttcttatac ttttaatcat atgtgctcta 120
 tatgctgcat gagctacgtt actggtgact tcgtagataa ctaacactca atctcttccc 180
 tgagtgtatt actaaactcc aggacaaccg caatcacgca cttggaagaa acgaagaata 240
 tggcgtagca ttgttggttac ttgtgaacat gggacatgca catattagta tgtctaatac 300
 gcaggaatga taaatgaaaa tacttaaggt gagagggttag attgatcctt tatgcttaat 360
 actaaataaa gaataacgag tgaatgcgta aggatcgaag attttaatga ttaccattca 420
 aaagctaadc atgaaacatt aaacctttaa catttatcat atgcatctga acccatgtaa 480
 gatgtgactc tcgattttca ccattcan 508

<210> 22248
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 22248
 tatgcttgag atgaagatgt gtcgtagggg gaaacttcct gcttttattg atgaccacag 60
 agtgggtacct gtagatatgt accggggggtc aggatacctt ggggacgtct tgtggcggtgc 120
 tattgcccac atgcacgctt gaccaatccc gacccaaccc gggcatagtc cgtcagagag 180
 aacctgtgat gtacctatgc atgctagctc ctggcagtc aacggatacaa ggaatgcacg 240
 accaccaagc agggcggtct gtggtggctg tccagctgtg aattgtgagt aatatgtgga 300
 tcggggcctc tggtaatcga ctaccaacgg agggatgatc attacaagga ttataaatga 360
 atacaggagg ctatgatggt 380

<210> 22249
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22249

tgcttgtgga gcttctatgg aggtgtatc tttgagcttc aatggcggtcc tttaatggtg 60
 atttccacc atggagatgc agcggaagac aaaggacaat aggtgagagg aggcgccatc 120
 cattaaggaa taagccatgg aagaatgagc ttcaccacca agatgagcct tggataagaa 180

gcttggagaa gatgcttcaa tggaggaaaa gaaagagga gagaaagaga gaggggggag 240
cacgaaattg aaggaataaa agaggtatag aagtggaact ttgaagtatg tctcacaaga 300
ctctcattca tcanagttac aacaagtgtt acacatgctt ctatntatag actangtagc 360
ttccttgaga agctgtcttg agaaagcttc tttgagaaaa cttccttgag aagctagagc 420
ttatctacac acacccctct cata 444

<210> 22250
<211> 384
<212> DNA
<213> Glycine max

<400> 22250

agtttttggg tatgaaatct agcagaacgt taattaataa tgtaactgaa tacacttgct 60
tatgttggac aggtgacaaa caagctcttt cagcttagtt acatatcagg agatgttgaa 120
aagtttgcaa caaaaatgct gctttctgct gtagaccatg aagtttcaga tacaggctctt 180
ttgcaatctg gacatactga acaaatagct gaggcagagg tgttgtaacta tttttctcgt 240
gtcattttctc taattaatgt tccttgtgat aattgatgtg cagagttcta atatattgga 300
ttgagttatt tgattctgat cttgttgcta ccgtgtccca gaataatctt gtttctcata 360
aattctaatt gactcttgct agat 384

<210> 22251
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22251

actagttgat atggatcttg agtgccaaat taacaaagaa aacgaaatca tatttgagat 60
aagatctagc ctgcttcatt cattctactt actacatatt tataccgaat attcactata 120
ttttgactac agatcttttag tacaaaatgg gtgttggcgc ctaaataaat tacntacata 180
gcgagtgagg tacttagctg aatctgttcc acgagctagc ggctcctaac taccttggtg 240
atagcttttg agctcttcag acgaagacct gca 273

<210> 22252
<211> 306

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22252

ccacacaag ccgcaaggaa aaaaaaaggc acgacaaccc cnnggagggg tgagctcaga 60
ccanaanagc ggcgcaggcc cgaccacatt aatacaaaaa caagggggcga cttcgcaaac 120
accaaggacc agaaaggggc aacgaccag gcacacgggg cgcaaccaa aaaccggcca 180
accgcacgca gccaaaaacg aagccacaaa acccaaaccg cgaagaccga ccaccacggc 240
cgccgacacg agaaagacgg gaggaagac ccccgccgg ggaagaacca acacaagacc 300
accccg 306

<210> 22253
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22253

ggggctaatg atctgtgacc gtgaacccga nccccgaaca accgcttagg ccgacacctt 60
atggctttgt ccttaagagg gccttggggg acaatgccac atcgccgcgc ctttctcaat 120
agggctcgcg tcgatttaaa aacgcccga gacagtcaca ccggcggggc cttgaaacta 180
ccggctgtcc cgagaatagc gtggcccaca gaatgggatc gacttccgaa aaaagcggcc 240
gggcttcacg tgaactgaga gtcttacaac acaaccgggg gctgtagata aacgacggag 300
agcaaaaggt taggcccgcg gaaccccga cccgtggtct cgcgaactct cg 352

<210> 22254
<211> 388
<212> DNA
<213> Glycine max

<400> 22254

agctttcatc tcccataagc tggtccacct gaaatcttga gaacaattag ttaatatagg 60
gactgaagaa agggatgctt actaaagata cattattagt aagataggag taaaagaaat 120
acaataatga tgagttaagt tactaaatta gaatatccaa tcaatgattc gtatcttcat 180
gtctatagca tacagaattt catagtccag ccgaaattta gttcaaacag taataaattt 240

tagttctctg tcttctgaaa ttttatacct agtacgtcat ctttactgta ttactatttg 300
 ctaactagaa catgaagggt gttcttaatt gtccatacgg taacaaacta catgattaag 360
 acttcttatc tttaaattat agacgctc 388

<210> 22255
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22255

tggsaagtaa tgctganaac aatataaaaa ataaattttg gttngtggtg tagagtgtgt 60
 aaataaactt aacggccaag attctgagct tattcagaag tttgagtggg gaacgtaagc 120
 acacactgca atgctaagtt ttggcatata atataataat aacgaaagtg attaaaaatt 180
 ctggtaaaaa tcctaagctn tagaaaaggc tgagaacaag agaaaagcca aagggatgag 240
 gaaaagctga tctgaaggaa attctgttct gaaaccaca ctgagtctct ctctctaaaa 300
 aataaact ctctttctct ctctagaaaa tagagagaag tgaaatgagt gtgttggtta 360
 acgagtgtct tattggaatg gtaaattacc gttgcacgct ccctgggtgga cgcgggttact 420
 actctaccat gacatgctgc ccatg 445

<210> 22256
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 22256

agcttggaca tgtttagaag aaatgtacca aatatcatgc ttagcgtgca aagaagggtg 60
 tgtttcttac tttggtctgt tctgagaggt caatttagct tcagtacctg gaaacacttg 120
 gtggttagat tctggtgcc aataaacat cagtgtttca atgtagggtt gtctaagcta 180
 ccagaaacca attgattctg aaagatggat ctatgttgga gatggtaaatt cgggtggaagt 240
 ggaagctata gagcacttta gattatttct atgtactagt ttttatttgg atttgaaaga 300
 cacttttgtt gtaccgtcat ttagacggaa tttggtttca gattcttatt tggacaaatt 360
 gtgttatttg tgttcatttg gaaacaatgt 390

<210> 22257
 <211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22257

tggatntgca aagaaggagt gttgtagatt tcgcagtttt ggctaagcta aaacttttag 60
 ctttaaataa ttttcgtcaa acttgggtct gcatgaatta gctcaagcta aacaaaatta 120
 caacaagctt tctgaagctt aaagagttaa gtctcatatt ggtttaatca attatagttc 180
 tactttaatc gatttgagac aatgactgat ttttcaagag tctctgggtt aattgattac 240
 caggtggatc aatcgattac ttctttcttg ttaaattggt caaagccgaa caaagaacac 300
 tntaattgat aacttaggtc atctaatcga ttacattggt cttgagtggg tntctagatg 360
 ttggatgaac actntaattg ataacttagg atatgtggga cactctacaa gttacacatg 420
 agggaacaac tgatgtcaaa agatctagga taaatactct aact 464

<210> 22258
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22258

agcttattat gagcacatgt gcatgaagca aagcttggtc gaagccagcc accactagta 60
 ggatcatgag ttctgcagg gctctcggtt ctagatcttg ggacaatttg atgtattgaa 120
 tgaaaacatg gacaatactt aacttggttc agcttcttac ttacagaatc aattgaaaca 180
 gattggcttt ccatatcatt aaatttagca agaaaacca agtcaactgcc attgtgcctt 240
 ggaaaatgaa gagttcccta tattagaaaa ggtatgctag tacaagacat gtattataat 300
 aactacaatg caactttgga gacaagctct caccagcaca agtgcccgag ggcagccatc 360
 catgtttctg cccgtgattt gatagtggga ga 392

<210> 22259
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22259

nttgctagag tggatgtat aattntgact aatcttatta tgatgttctt gttcttatgg 60

aatgtttcag gtcattgtat ttgatatgga ggtaaatggg gtccatttaa aggttagtgc 120

tttctcacga taagtgcatt ttttttagtt taggttctaa gtataaagaa tataacttgc 180

tttcttttag ctctgttgct tccatctatg actgggtatg aaatggaaca tgcacaaatt 240

ccattctcac tttttttcag gcttttggtg atagtggagc tcagtctacc attatatcaa 300

aaagtgtgac tgagcgtctc gggatgata aagtgttag actggaatag gctttcaaga 360

catttataat accatataac gattaaattt attaggtggc tcatttgctc gcctatgaat 420

ntactcgtac atg 433

<210> 22260

<211> 396

<212> DNA

<213> Glycine max

<400> 22260

tgtctatgca agcttataat atatcgatac gtcgaaatt aaacattgga aactctcggg 60

aaattcaaatt agtcataact tttcacacgg atgtccgatt cgggcgcata atatgtcgag 120

aggctcgaat ttgaacaacg caagctcttg agaaattaga ctggtataac ttttcacacg 180

gaagctctcg tgaagtccat atggtcataa cttttcacac tgaggtccga ttgatgttta 240

taatatatcg atacactcga aattaaacat cggaaactct gtagaaattc aaatgggtcat 300

agcgtttcac acggatgtgc gactcggggc catgatatgt cgagaggctc gaaattgaca 360

aacggaagct ctcgagaaat tcaaatggcc ataact 396

<210> 22261

<211> 467

<212> DNA

<213> Glycine max

<400> 22261

tgaatcggac atccgtgtga aaagttatga ccatttttat ttctcaagag cttccgttgt 60

tcagtttcga tctctcgcac atattatgca cccgaatcgg acatctgtgt gaaaagtcac 120

gatcatttga atttctcgag agtttgcgat gtttaatttc gagcgtatcg atatattata 180

accctgaatc ggacctcagt ctgaaaagtt atgaccattt gaatttgacg agagcttccg 240
 ttgttcaatt tcgaatatca ctgtatgtga tgcgcctaaa ttggacattc gagttaaatg 300
 ttatgaccat ttgaatttct caagagcttc cgctgttcaa ttctgagcgt ctcgatatgt 360
 gatttgccctg aatcggacat ccgtgtgaaa agtatgtcca tttgaatctc tcaagtgctt 420
 ccgttgatca atttcgagcg tctcgacata ttatgcgcc gaatcgg 467

<210> 22262
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 22262

tttcttacac tttttcactt tctcaagaa tttcaacctc tttctcactt agacttttca 60
 gatttgggag ccaagttatc ccttgcggtc tagacttcaa ccacttgtga tagccatcga 120
 tgacgccatt gctacttccc ctaagctcct tatcttttct tcccactcta ttccatgctt 180
 tacggatttt ctgaagtatc ttgcgattag cttcattaag acctcgcgcg atgaaaggcg 240
 tgatgatttc ctccgacggt gcacctctca tagggtagcc taactgtctt atggccagca 300
 tgggattata attaatacaa cctctcgctc ccatcaaggg gacatttggg aatccctcac 360
 acgagcataa cactcctacc 380

<210> 22263
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22263

tcaacttatg tgcattgaatt atgtgttatt acgattgttg ttaagaagtg gagacaatat 60
 ctgctcggtc aacagttcac cttttttaac cgatcattag aaccttaagg agctcttgac 120
 tcaggtcatt caaaccacag agcaacatat gtatttagcc agactcatgg gttatgatta 180
 ttgcatccaa tatcggtctg gtaacactaa tttagtggct gatgctttat ctcgaagatc 240
 tgagaaaaca gaaggtacca tggtattatt gtcgggtgcc tgcttggcat ttttggaaga 300
 accgaagaaa caattaactc aggaagcaac tttcattgaa ttcagacaga acataagggc 360
 ccatcccgaa acattccatg gatattctgt ttcanatagg ataattttgc atggaaattg 420

cattt 425

<210> 22264
 <211> 382
 <212> DNA
 <213> Glycine max
 <400> 22264

ttgcttttcta tttcatttca tgagttctat ttatgttcat caacacttta taatgattga 60
 tgccactggc ttgaatttgt attcatttag aaaaactaaa ttgcaacttt cgtatttgaa 120
 aaattaagtt gcaccattta tatccatgtc tgctctgaaa catattggct ttcattctta 180
 catgtgcaat gatgagtgtt gcttatctaa atgatatagt ttctaaacat ataatgtatc 240
 catttgcacc atctagattc tgttggttag ttaattgtat ttatattttg gtatataccta 300
 actgacattg gtttgtaatt ttgaccgaga ccactagact acactaataa tagtgtctgg 360
 cattacaagt atacgtttgt cg 382

<210> 22265
 <211> 482
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22265

gcagaccggg tgatccctgt gataccatga nccccttgaa cccaanact cagcgggtgca 60
 agcgctcata ataacgttta tgtcgagttt tacaattgtt taagaccaaa ccgcgggtaa 120
 ggggttctta aacgacacta gcgaaaacga gcaacagctc caaccttgat gccctcaaat 180
 gctctagatg tggttcagct aacactccag caaccnact tacagtgcac agacctaaaa 240
 tttcgacatg gctgcgtcta atgtacaatt ccgaatggat actatacaca tagtagaaga 300
 gcatgctagg tgtaccttaa aaatcatgat gggtctgcta ccgaatacct tcttggaat 360
 agttacaaaa tgaaaattta tcgatggcga tagacaatat tgatgaggag ttttcacaat 420
 aagaatcatt atgcggatca cattcaacac ctagtggctg cttcacaaaa atcgaactac 480
 cn 482

<210> 22266

<211> 242
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22266

caccaccaaa aaaaaacaaa gacaaaaann nggagggatg cctgaacaaa agaccggcta 60
 acacggaccc ttagagagag ccaggacagg aaaagagcca aaccgagaga aaaggaaagg 120
 acgcgaacga cagccggag aaaacgcgca caggccgaca aaaacagaca acaagcagaa 180
 caaaccgaaa acggcagcaa ggaaaccagg aggcaacagg gaggagacaa gaagcaggag 240
 gg 242

<210> 22267
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22267

cgctgaacgc ctgggggtcga taccttccat tategatact ttagaccct tcacagcgca 60
 gaactgagcg agatgatata catactgatg acttgtcaac gccaccttta tgggcagcaa 120
 ccccgatcac cgggtgaaat acgtcttcag cagctcggca atagcgtacc aaacacatca 180
 cgcatatgat taatgacgac gactgaatat tcaacacgat gctcaacacg tcgctaacaa 240
 tgcatatccg ggagcgagga tcgccctgct aactcagcat ctctgatcac ctgagaagat 300
 accccaactc aatcgggtgc ttaacctatt ctccagcgcc gagtgatatt cctcacgttc 360
 ggctagctca ttaaactgcc catgaggata gccatcctct cacataccac gttgagcacc 420
 ggtgacagtg actgagatca ttctcacn 449

<210> 22268
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 22268

agcttttttg agtagaaaca tgggaccaac tcattttatt tcaaaaagga agtcgtatcc 60
 agtcaaggtc tgagagacca tacaagtttc ctaacgattt ctaattatgt gggccattaa 120

gtctatcata tgctgacaat agccgagaag cccatgaatc tcttcggggg tggagtaggt 180
 gtctgccatc gccttggcct tggctaacaa gcggggaagt tcttgacttc cgttcaaggt 240
 aagagcaaac cgggccatcc acatgggtgc ctcttggtgt aaagagtcga tcacccttcc 300
 tctagcctct ttttccgcat atacttgagc atactcatcc gcgattctat gctcgtgggc 360
 cgtggctaga cctaactctt cttggtactt g 391

<210> 22269
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 22269

tttcggttca ttctatgtac ccatgggtgt ccacattgtg tctcgtgtat ttctattctc 60
 gttgcattta cttgttatcc cccctcttga cgtgcttaag ccattttact taagtcattt 120
 ctcgcttaaa ctaaaaataa aaataaattt ccaccgaacg tttgaattgc attatccggt 180
 aacttcgttt aaaaggaatt ccgaccgttc ggtcgtgccg tagccacggt ggaaatcgaa 240
 aagagatact ataatagtat aaataacaaa aatatacctt ttagtaaaat aaagcggaaa 300
 atcaatcgga cgctatctct ttgggatatc tcattcttaa tcgaattgac taataactaa 360
 cgtgagacta aggctaaaat caactcgcct agtcgagctc gtccacaaaa at 412

<210> 22270
 <211> 517
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22270

aggtagagac ccgttgacgc gtgttgcnc cttatatacct tgtacaccnc nnnctntggn 60
 ngntnngctg agatcatcaa gcggttttat agagacatta taggatttga ttctcagang 120
 tatntggtcc gcgcgaggga tattattctc tttaccaaca ttatttcaga aatcccaacc 180
 gtgaaaacgt gaaaatttga gatccataag tggagtctaa attccaggat gatccaacat 240
 gtaacgaatc cgagatcata gttggactga aacacattca tgtgtatgca aaaaaataat 300
 gaatcttgag agaggaagga agaagaacca cttcatgagg aagcgagact gtagatccaa 360
 tacaaaactga cctatatgcc tctactcata gttacacgat tctaaaactca atacttactc 420

tatcattgaa tcatatcact tgataaaaaa cagaactctc tcttactatg tectgactaa 480
acagaccatc aaaacatctg tctacttctg tatcaac 517

<210> 22271
<211> 366
<212> DNA
<213> Glycine max

<400> 22271

agttattaaa gagcaaggaa gccaatcaaa ttaatatattg gtaaccacgc acataggcaa 60
taagacatat aaatttatat aaatggtggc tagctagggt ttggagataa taggatccat 120
aagcttgtga gacagcatac gataaatcca acatcagaaa ctgaatcatg tttaggaaaa 180
ttgtataaag gttttaaagt gtggttgtga ttcttgacat tgtggaaaaa tatgaccgat 240
gatgtcacca caagatgctg tcgcccacaa agcttgatat tgtgattgaa attcctgtta 300
ctgatatttt tgaacacctt ggtatgaatt acaatttttc aagctagccc aaccaccgtc 360
caacac 366

<210> 22272
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22272

ggcgccaggg tgagcgggtga accatgaacc tgaanaccga cacaaaacca gcgggattga 60
atttttaaaaa atttgaaata tttgggaaaa cggcttgggg tattgatata ataaaatatg 120
acgatattta agacaaaatc tttaggatat aagtaaataga agagttatgc taatatatgt 180
aaatgtcatg gactatgtat gttaatatatt agtctttgcg gattacgtac ataatacgcg 240
tagaggagaa aaaatcctga tgtttttata acaaagtaat aagagctata aatggaaatg 300
ctcaaaaaac ctctaacatt cgacttgatg catataaaaa cccaaggata atttgctgta 360
aggtc 365

<210> 22273
<211> 386
<212> DNA

<213> Glycine max

<400> 22273

agcttggctt caaacttcct tataataggc tgccaaacac tccagctctt agaagacacc 60
cctaccttgc aagtattttg ttaaataatg tgattgaagt aaatttttta ttagatttaa 120
ttaaataaat gtttagtatt ttgttctttc ctattagtat gttgatagct aactggaata 180
aaagaaaagc taaggctgga ccagttgata gctaactgga ataaaagaaa agctaaattg 240
caggggaataa ttctgatatc tttttatttc atcattaccc ctttttatag ccatttcata 300
caagatattt tgctaagttg ttataacaga attttgaaat tgcataacca cacagggtatc 360
aagtaaaacg tggaaaaagc tttaag 386

<210> 22274

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22274

tggagtgaac caatataaaa caataaatta tgcactacta tcttccctct ctttgcattg 60
gttgtgttat aaatatgtta actattttca ttgatcttta agacaagaaa atctttcaca 120
aatatactta aaactgaact cttttgtcaa gattttttca aacaaacaaa tccttttttt 180
tttaaataga gctctcaact aacaatatta cacttgtatt ccccatcat gtgcaaaatt 240
actaagtgtg aatcaccata attatgagct tactatactc atcttcccaa taaaatattt 300
aaacccaaaa tcaatgcttc atattttgct tgactatttc agaaatctag atctattgga 360
ttagaatctc aaaccatgct agtggggata attcttacta tcccaatcct aataacttct 420
tgtgttnttg atatgtcata cc 442

<210> 22275

<211> 380

<212> DNA

<213> Glycine max

<400> 22275

agctttcaaa cccatgtaat ctccataat ctccacact ttgtgggttg ggccattctt 60
ggatggcctt gattttctca ggggccactt ggaccccat tctaccaact acaaaaccta 120

agaaaactat attatctaca caaaaggtac acttctctat atttgcatag aaggtgtttt 180
 tcctaagaac agaaagaact tgtctgagat gtactaagtg atcatctagg ctctactat 240
 acactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
 gatgcataag cctcataaag gtgcttggtg cattagtgag ccctaaaagc atcactatcc 360
 attcatataa accaaacttg 380

<210> 22276
 <211> 669
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22276

ggggaccaat gtgnnnnntt tttttattcn gactagctag nngcntgcan tcaanatttc 60
 nncaaaanan anactgngcn ananantgnt athananaga nagaactnga gtagagtgcg 120
 ccatgtctgt agattagtta nagtngcttt cgtctgcna canaatgatn cgatgcgagt 180
 gcgcgctaca tgggtgattga ctattaagaa cacaatactt catccacgtc gtgtgctata 240
 naggaataaa ttactagagg ggtaaagttg tggcgactg taaacgtatt cgaatgcggc 300
 gcctatacat ctggcctgat ataggcgctc tctctgtctg cagagcgagg tctcctgcgt 360
 tgccttactc agagcatagt atgtggcgca gagagtctag ctcttggtct cctgtagaat 420
 cgttcatagt gattgtctaa acaatttacc tattgtctta tgtatccatg gcgccaatca 480
 gttggaaaat ctctcgatc gttccttaat actagtaaat cgtgtgtgtt ctatgggtctc 540
 gtcctcaagg agtctcctcg gacacgtgaa acacttcctg ccaccacgtc gttcataaaa 600
 atggagaaaac ataacgattg atgggttcta ctccctcact ataccgccat ctaatacatg 660
 tgtccgtgg 669

<210> 22277
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22277

natgaaccct gattactgct cganancagg caannaaccg caccgggacc tcagagccac 60

acttggccng cgattccgtg aacagaccga ccacagcacg gggcacgacc accaggccag 120
cgccgaaagc cggagaaaga ggcaaccaag ggaaacgaga cacagctggc ggcggggaagc 180
taaagagagt aatgctgagg aacatataga ctgtacacgt catagacatg tgacataaag 240
tcaaagcaca ggaacaccaa cggagacctg gcaaggccgc agcagacacg aaaggccgac 300
accagaaaca cgtgcgccag caaggaaccg actccaacca aatcggacac aaccttcgaa 360
tatgatacgg aacgcaaaca cgtcgaatag accccacatg gctgatcacg cgatgtangc 420
aagcactacc aatatgcacg 440

<210> 22278
<211> 156
<212> DNA
<213> Glycine max

<400> 22278
agtcattgaa gatcggcggc aatatcgtaa ccaacatggc aaacctcacc aaatatccac 60
cttcatttca gagttcatag caatagaaga aacctcatta ccaatactat cagctctgac 120
aacaatttag aaaatattct ctcttccatg acttcc 156

<210> 22279
<211> 462
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22279

gactctcgnn nnnttggang cattaaatga ggtcttgcac gcacggcccc gggatcctta 60
gaggcgccctg caagctgcaa gcttttctaaa cagatctgat ctgaagtctc ggattcgaaa 120
acttaccctg tgtagaaccg aaatcggctg atgaacgatg aggatcgatg aataacggac 180
gaataccttt acggatttgc ttacggaagc atctcggaag cgttacggaa gcacctcggc 240
tatgatggtc ttacggaaga aatttttttc acccataaca gctggaatac atagccaggg 300
ggctgacgga tccttagaac agcccccttc agcctttcta taagactaag gaggaggagg 360
atgccgccag ctctgccagt cgaacttagc tcgactatgc gagctcngct ggtaattta 420
tatgacgcta agcgcagttt gtgtgtaaca acactaacct cn 462

<210> 22280
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 22280

caagctccaa atacggaaaa ttagattaca aatgcagcag agtttaagct ctttattaaa 60
 atgctggtcc cacaactatg ttagagaggt tttgtagcca tactgtgaca ctttcttaaa 120
 agtagcccat atgagatcga tgtatagtgg aaactaacac atccatagat attaatttaa 180
 tagttactat atcgaatttg agactacaaa atagcataat tactcaagtt ttcgctcttg 240
 atttctcttg tgttctcata ttttaatgtg attgctaattg ttaaaagtga aattgttttc 300
 atgcatacaa cttatcattt ttcattaact ttccaaaact aacgggcata cttaattctt 360
 attaatttca actttcttag atgtgagatt gtgtgcatat ggtgatgttt acattaagaa 420
 tttttta 427

<210> 22281
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 22281

tatgaaagag catgctatgt gctcgagaca ggccctcta taccatccac aacgagagct 60
 cataaaagcg accccacaga actcgcgaaa aattagggcg accatactct tcctagcgag 120
 cactcttgac ctctagttca aaggtctca cagcagttgc attctctacc cgaaaaccag 180
 cacactcctt acggatgtgc gtaacggcca acaagaactt ctccatggca agatacgccc 240
 ttcctaactc actttcga 258

<210> 22282
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22282

cattcagatg tagtaatgaa ccaactaacct agtttaaaag aactaagttg ccctagccca 60
 gggaatnaag ggaacttaat ggatgagtgt aactaaaatt gtggcaacca aaagtcaccc 120

ctaacagcca tcaagccagc caccatttgg tctcccaaaa ggctgatgcc taggttgcca 180
attgggccct tattacaact agaactaaac caaactaaag cccttatagt tgattaaccc 240
aaaacatatt tttggtcagc caactttaca aggattgggc cattatttag acaaactaaa 300
cactctataa ctgatacaaa gtgggtgtcat ttagtcctcc tccatttggg ccatgataca 360
actcacaacc ttggactttt ctccttgaga cttgggcttg tattctaata gcatggaca 419

<210> 22283
<211> 392
<212> DNA
<213> Glycine max

<400> 22283

agcatatact taagtgttta gtattagagg ctaaaatata ttctgtacaa tgaatttaaa 60
aaaaaaataa aagtagtgag aacactaaaa ataatcaaaa ggaagaacaa acataatgaa 120
tggattaagc caggacccat taaccaagat agctaattct ataattaggt caagattgcc 180
tatgtgaaat gtatccaggt actcatgact aacaaataga gggatgacgc cccaccaagt 240
gaaactagat tgataatatg ctcagcacia aagctacatt atctatatat gtgcaacaat 300
atcaaaataa tatcttttct aaaaataacg aaactctcca aggaacaaga caagcattat 360
tgaacgcctc cacaacaaca gaccaatcac tt 392

<210> 22284
<211> 316
<212> DNA
<213> Glycine max

<400> 22284

tttatatatg cataaggacc gattgatata taattacaaa atgaagatgc cagttagggtg 60
gtagatctat tgcactaatc ttactaagga gcgcatccaa cgtaatgtat attggaaaga 120
ccgaaagact gagaaagggtg tgtactacta ataatactat gggaatcaca acatatgggtg 180
taaagcattc gtgacatgga ggctccaata tattcgaaat agatagaagt gccagcttat 240
ctacgcgtgg aatctataat taggcattta ttacttgacc gtgggtgaaga caggatatga 300
gagatcattg acattg 316

<210> 22285
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22285

agctcgnngt ttgctgcagt ctactaatat atggaattac ccattgcttt gcctgagaat 60
 aacaattggt tgaccacaac agcgctggag gcggcaacgg acaatgggtct ttcaaataaa 120
 cctgttgtac atgaacaaac attatatcat gcgctgaccg tgccaaacga accagcgaag 180
 tcattgcata attgttacac taactatatt caatgtacct gaacaaaatg atttccaaac 240
 acgtgaccga cacatatgat gcggtggcca gaagagtcag gtggtggttg acttctaaga 300
 aggaaaaatg tcatgctttg ttgttgggac aacgatacaa ggattacgtt ataccgcgaa 360
 gcaatcacat at 372

<210> 22286
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 22286

cacaaaataa agccggacga cagagcccac taaagaaata attccatctt tgttcttttc 60
 ttgtttcaat gcatgcaagc agatttgtgc attaaattgg ccagtctttt gtgcccaatt 120
 gaatacatgc atggcttttg gaccacactg tcaatccctt gcacttgcag gcatgtaaaa 180
 ctggtgcgta taattcatgt gtttgtcgct ttgcagtgcac tggataatcg aataagaaca 240
 ttattaattt agttgatggc actgatcata cagttcttat ttattcatg 289

<210> 22287
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 22287

actccgctgg atgcaacatg ggagagggaa tttatcacga gttgatgcgc tccatgaaag 60
 gcaggatcgg atggataata gagaacacac tgaagataac aggaggagaa gagggaatga 120
 tgggtgttct aaacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccgaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gatgaggacc agaatgtgaa tcttgccgcc acggattttt ccgactatgc 300
 tcttgtgtgg tggacaagc taccaaacga gagagcaaga aatgaagagc caatggttga 360
 tacatggacg gagatgataa atatcatgac gaagcg 396

<210> 22288
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22288

agctttgttt atttggctctt cgccagtgaaggatcgatg tgggtctgaa aaaaggcaaa 60
 tttgatcatc ctactaggac gactgagaaa actggggcaa ataaagaggg tgaggatgag 120
 ggagaaaccc atgctgtgac tgccattcct gtacggcaa gtttcccacc aaaccaaca 180
 atgtcattac tcagtcaata acaaacctcc tccttaccga ccaccagtt atccacaaag 240
 gccatcccta aatcaaccac aaagcctatc tatcgactt ccaatgacga acaccacctt 300
 tggcacaaac canaaaaaca ccaacaaaaa ggaattttgc agcanaaagc ctgtagggtt 360
 cacccc 366

<210> 22289
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 22289

tcttgttttc acgacctcgt agtgaggatt aatgaaagtt gcagttgatt cttgcaaaaa 60
 gaattttcca aggacgagaa atagttgaag gatctttcag ttgatggatt aagtcaaag 120
 actcctatgt agaagcaaga tgttttgatg ttttgatgat gccaaaggat caagtgcctc 180
 caagttttat tcaaggcaag aatccaagaa tccaagaaaa tcaagatata tgatcaagtt 240
 gatctctaga atcttaggga gaagtttcca aattgaagaa gcaaaagggtt tgaccaagga 300
 attctatcct ttcaaattga gatttgctct ctggtaatcg attaccagca gtttgaaaat 360
 gttttaattc aaatttttaa aacctgtaat cgattacata agtcttgtaa ttgatta 417

<210> 22290
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22290

agcttaatgg tcaagnacat ggcccattcc tgtgggctaa gctctttaag tgagtccatg 60
 ctgaattccc ttttattgag catgtgatca attcctctaa gtcaaactat ttgacctggc 120
 cattagtaaa ttttaattggt gaagcttaga ctatgatgat gtctatatct ccaacgacac 180
 agaattaaga tacttaccac cactttcttc caacaatata aggaacctcc tcccactata 240
 tgaggaactt accttaaaat aataggaacc tctcattact atgagtagat aactagaata 300
 cccctatga accctaaaag ggaacaacac acttttgaat gtcctaggca taagtcacat 360
 tcatattgtc at 372

<210> 22291
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22291

aataataaaa ttaaattgaa ggaaattaat atactaagat tnaacgataa aaattgtgaa 60
 tgcattttta gtttaattat ttattaactc tttttaattg aaaataatat aatttgattt 120
 aatacataca tgttttgttc catgtaaata ttaatattgn gtgatgttta tatgattcat 180
 gaggtgtgat aacatgtcgc attatgatta taacattgtg attgagattg ggtgaatgta 240
 ataaattgag tatgtgttga attgtaagat acatgtgtaa tgagatcttg tacgcattga 300
 gttatgagct atgaactgta caatcacaca actttaat 338

<210> 22292
 <211> 299
 <212> DNA
 <213> Glycine max

<400> 22292

ttagttttgt atgaggaagc gttgaaagggt gaaacttcct gctgttattg ctgaccacag 60
 agtgggtacct ggagatatgt cacggggggcc acgagacctt ggggacgtca ggtgggggtgc 120

tattgcccaa aaccaaactt gaccaatccc gacccatccc tggcatagtc ggtcagtgcg 180
aacctgtgat gtacctaaac aggcgagctc ctggctgtca acagatacaa ggaacaaaga 240
ccacagagca acgaggcttg tgggtggctgg ccagctgtga attttgtgta atatgtgga 299

<210> 22293
<211> 405
<212> DNA
<213> Glycine max

<400> 22293

gtgtaatcga ttaatttcat acaagttata actctgtgtg cttaaaacaa tctgtgtgat 60
cgattacgat tatgctattc atgattaaaa cagaaagtgt tgacttctga aaaaatttta 120
ttttcactca cacatgatga tgcgatgatgc acaaatgata tgatatagac taagatgcac 180
cattcaatat aacaaccaat acaaaagcca ctctagatag ttggacatgt aaaagacaaa 240
acttcttcaa gctcttcttc aagctgtaag attaatgctt catgttgctc atgttgctcc 300
ccctatatct aacacctcca aagtcgcact cttgtttaat agcttcacat ctcatcgctg 360
ctttctctaa tttccttctc ataggcctaa ttcgggtgcag ctctc 405

<210> 22294
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22294

caactctccc atttagagga agctttttgga gaaagaggag accatatttt tcttcttctt 60
ccaagtttta ccaagttttc ttgagccctt ctccatcaa gcttaagtaa gtgacctcca 120
ttttcaactc taaacttgat tttcacttca ttntcttgct ctattctcac ttgtagtctc 180
aaaatcttat ttttactct tgaaggttgg aaacttgaat ctgaactccc actcttttcc 240
ttctaaattt tgttgagtct acaagggata aggggagtct ctccaattat tgaaccatat 300
gcttggtggt gaacttgctt gaacatggtg atttgaaatt ttcgagcttg ctgtcatg 358

<210> 22295
<211> 402
<212> DNA

<213> Glycine max

<400> 22295

tgaaggtgcg taccctcacc attttatata gaaatctctg gtaatgtgtc tactattatt 60
atgatcatct ctttatccgt cattggaggt gccacttgag cttgctaggt ctctccacct 120
ttgggcttat tatttgaaag attcgtgccc ctttttgtag atgttctgta gttgtatcct 180
atccagagcc atatcagaat tgtactgata ttgcctaacg atggcaaaca ttaggtcttt 240
ccaagaatgg attcaggaag gttccaagtt agtttaccag gtaccccagt aagactttct 300
tggaagaaat gtatcagcag ttcctcatct tttgcgtatg ccccatctt ccaacaatac 360
accttttagat ggttcttggg gcaagtagtc cccttgtagt tg 402

<210> 22296

<211> 374

<212> DNA

<213> Glycine max

<400> 22296

agcttgaagt gagaatgtgt gttaagtcag tcttcctact tttatttggt gaccatagag 60
tggtagctgg agatatgtcg cgggagtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgccccaaa ccaagcttga tcaatcctga cccaacccgg gcatagtcag tcagtgagaa 180
cctgtgacgt acctaaacag gcgagctcct ggtagtcaac caataaaaga acaaagacca 240
caaagcaagg aggcttgtgt ggtggctggc cagctatgga tcttgagtga tatctagaat 300
atggcctctg gtaatcgatt accaaggggtg tgtaatcgat tacaaggctt aaaaatgaag 360
acagaaagtt aata 374

<210> 22297

<211> 418

<212> DNA

<213> Glycine max

<400> 22297

agctcgaatc ggacatccgt gtgaaaagtt atgagcattt gtttttctca agagcttcca 60
ttgttcaatt tcgagcatct cgatatatta taagcctgaa tcggacattc gtgtgaaaag 120
ttatgaccat ttgaatttct caagagggttc cgttggtcaa tttcgagcct ctcgacatct 180

tatacgcccc aatcgaacat ccgtgtgaaa agttatgacc atttgaattt gcaagagttt 240
 ccgatgttta atttcgagcg tatcgatata ttataagcct gaaacggaca ttcgtataaa 300
 aagttatgac catttgaatt tctcaagagc ttccgctggt catttcgagc cttcgacata 360
 ttatgcgccc gaatcggaca tccgtgtgaa aagatatgac catttgaatt tcgcgaga 418

<210> 22298
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22298

atcttcaact tcaattatga gttgagcagg taaaaaagat tcgtcttcaa actcttagag 60
 gtgactctga gtgtttgttt atggaggagt ccgagtcatt ttatgattat ttttctcgag 120
 tattggccgt agtcaatcaa cttaaaagaa atggtgaaga tggtgatgag gtgaagggtta 180
 tggaaaaaat acttcgaact ttaaatacaa gttttgactt cattgttacc aacattgaag 240
 aaaacaagga tttaaagacc atgactattg agcaactcat gggttcctta caagcacacg 300
 aagaanaaca aaagagaaaa attaaacaaa aggaggctac ggagcaacta ctacaactca 360
 acgtanagga agcaaactat gcc 383

<210> 22299
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22299

acatgaacac actttacatg actctggaac ttattgattg catggatgct tctaaccaga 60
 ttataacaag ggtacaaggg tgaagagagc aacagccatt attcactaga tttgtaccaa 120
 cttgggaatc aaaataaatt ctgatccgtc tatgtcttct atcccaaacc atttgaagaa 180
 caagcaaata tggcccatc ctctgctgcc aaattcgtac atataccaag ctttgccgca 240
 aatccacaaa taaagcactt attagtgtgt ttgttgacgt ttaaactgtt ttcctttaa 300
 agaaagtaat tttctgtttt aatttgagaa aaaaaatatt tgcttataaa taaaacattt 360
 tttagaagt atttttctaa cattactt 388

<210> 22300
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22300

agcttttggtt aaagttttca gttctcctga gcgagctagg ttacttttgg aggaagcaag 60
 tagcttacct gggcaagcta ctatgcaacc tcttcccctc atttcctata tataggcgtg 120
 agggggcgac tgaggagaag ggtccaacac ctaaaataaa gagattttga gtgaaattag 180
 tgagaagaag gagaaagaag aagaaaaaac aaggccgaga cgctttcgta acgtttctgt 240
 gattgttctc catcgttctt cgtctgttct tcgttcgttc tttattcatc gaccggttag 300
 tctttatttt tgaagctntg aattcattct atgcaccctt aggggtccat ccttgctttg 360
 atatcttcat cttcattctt cta 383

<210> 22301
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22301

caagcttgcc tcanagaggt ccaggaagga caaggcggcc gaatgaacta gtttcgcccc 60
 ggagttcgac agtcaccgct ttaggagcat tgtgcaccag cagcgcttcg aagccatcaa 120
 gggatggtcg tttctccggg agcgacgct ccagctcagg gacgacgagt atactgattt 180
 ccaggaggaa atagggcgcc ggcggtggcc accactgggt acccccatgg ccaagttcga 240
 tccagaaata gtccttgagt tttatgcaa tgcttgcca acagaggagg gcgtgcgtga 300
 catgagatcc taggttaggg gtcagtggat cccgttcgat gccgacgcta tcagccagct 360
 cctgggatat ccgatggat tggaagaggg ccaggaatgc gagtatggcc agaggaggaa 420
 cc 422

<210> 22302
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22302

tagctttatn aggcatagtt gttatcctcc gactgatccc tagagtgtat cccgtatcat 60
catttttagc actttataac tttatgtttc ttagcatttc agacttcatg cctatgggta 120
tttaggcttt ggtacatttt aatttttggt acattacctt taaactattc tgtttgaatg 180
tttaggactt ggtactttca attattatta atctttttat ggcaactacta tattatttgt 240
ttaggacttg gaactttaaa ttatttgaag tcttgtgtat ggtttttcta ctcttcctt 300
gtttttgatg ttgccaaagg gggagaaata gctaaaagggt aaggcgattt ttttgttgga 360
attatttgaa catatattct gaa 383

<210> 22303

<211> 398

<212> DNA

<213> Glycine max

<400> 22303

tgaacaaaa ctggtgagag tgtgatctta cactgtgtgt gaacgtttat ctatgagtaa 60
taatctttgc atgaatctct gaattttaga atgaaatgta taaatgagga catgatgaag 120
gctatgattg tgcatataca agccttttga acaaaaagct taccttgaat tataattgta 180
tcctctgcac cctttatgag ctgaatgata ttgtcaaaaa tttgaaccct gaacttaaat 240
aattatctct agataccttg tttagattct aggagagcat atggttcaag gaaaatttac 300
tccaactttg ggggagtgga actaatttgg atgcaaagaa agagataaag catcagcaca 360
cacaacacat aagtgtgtgt ttaaaaaaag aagaaaag 398

<210> 22304

<211> 386

<212> DNA

<213> Glycine max

<400> 22304

agcttcttgc gtagcctctc tttgtgtcga gaaaatccca aaaacaaatc cctcttatta 60
ctagctatntt tgaattcttt agttcctgaa tgtacaacct tcaaattggt gctcgttccc 120
ctctttcttt tttgcaaaaa agaaaatcaa tatcaaagaa aacatggatg aagtcataag 180
gatgccatgt acatgtgtat ttctgaagat atagtattta tattccatca agcatacatt 240

gactgttgat tacatgtaat agacttttta taacatgggt gccccaagtc acaattaaaa 300
 agcacaacta ccaatctttc ggagtccttt ggttaatttg tcttgtctcc ttatgtgggtg 360
 gggatgtgta taataatatt atactt 386

<210> 22305
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22305

agctcncaac ttacttccaa tgaacaacct tcttgttaca ttatttgaaa tctttgaagg 60
 taatttaatt gtcaattaca aaagtacata aaggtcctca attttggtgg ttgctctctc 120
 tttgatgatt cactcaattt ggagtgcttc ttagttcaat agcttttaag gtggttggcc 180
 cctcgcttct tgattgaaat tcttcaatgg atgacatcaa tcttcctttc caattcccta 240
 tatggaaact cacaaacaag aaaacaaaga gacaaacaat aaccaaagac caaaaaatta 300
 aatgaaagct aaaccaataa atttttaaca agaaaaattt tcaaggatta ttcgacaatt 360
 aaagcaatga aaaggacata gaagcaagct aggactcaaa gagaaactta gaatgactct 420
 agagtag 427

<210> 22306
 <211> 351
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22306

agttcntgtt gtcnncagc aaatgttgga agagggtgta acgcctagtg ctccaacttt 60
 tgtgagtgtt atagatgcct gtgcacagga tgcgcttata cgaagaggta aacagggtgca 120
 tgggtcaaatt attaaagggtg acaaaagggtg taacttgttt aatgtgtatg tgtgtaatgc 180
 tttgattgac atgtatgcta agtgtggaga tatgaaatca gctgaaaatt tggtcgagat 240
 ggctcctatg agggatgtgg taacttgga cacattgatt actggggttg cacaaaatgg 300
 ccatggagag gagtcactgg ctgttttcac aaagatgata gaagccaaag t 351

<210> 22307

<211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22307

acccaccccc tccccgcccc ggggaacggg caataaactg tcgcatccnc ccnncccacn 60
 cccggcgcgt tgaccttgag cctggcatac cggaccnaca ccaccggcca cgagagaaaa 120
 gaaagagcac acttctcnac atctttgcna ncatagctta gccagagacg atgctatcta 180
 aatgttagcc taggcagatc gtattctata tagattctaa tcgtccagat ttatgcatgc 240
 tagcggatca tatccagact ttattcgatt tcatttacgg gctctgactt ataatagaac 300
 tggaagcttt ggggctgagg atctatataa cagcaccat gttctagtgt agagagtttc 360
 ttctttcgga gagaagaact attgtaggaa ttgacgaatt caatgtttat cactgcgcac 420
 gccactatt cacgtagaat acaagtcact ttctgggaag catcttttat ccatacattt 480
 tttaatacta tgctctttgt aatctcctgt ggagtactgg n 521

<210> 22308
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 22308

agctttgttc ctcatcgggc tttgctatta aaggtcttga acgaagctca tgtagctcga 60
 gacatctccg tagaaggctt tgggggactc gtcaataaca tcaccgcca cgactatctc 120
 gcctttgctg aagaagaaat ccccgccgag gggagagggc ataacagggc tttccatgtg 180
 tcagtcaaat gcatggacca cgctgtggcc aaggtactca tcgataacgg ttccaattta 240
 aacgtgatgc ccaaaagcac gttggagaaa tttccgttta acgcttccca tcaaaggcca 300
 agttccatgg tgggtccgtgc cttcaacgga agccgccgag aggtgagggg agagattgac 360
 ctccctgtgc a 371

<210> 22309
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 22309

aatcattaca aacaaaggcc atacaggact tntgatggca cgagtgtcaa catgcacttt 60
attaaataat catattggag tcgagctatt ttatgacaca tacgtatttg cacacattac 120
aaaatcatgt gtgaagcatt ctacgacacc tatccatgta catatTTTTat tgacaaacct 180
ttccatgcta catcctatat atatacacac attttttttg gaaggcttgt tttggtacct 240
actcgacaat acacatatTT tgaaaaaaaa cgTTtacgct acccattcaa cactntgtga 300
ggcacttcat gctatatata ttcatagtat gcanggcatt ttcatgctat atatataca 359

<210> 22310

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22310

agctcgnctg aagaganaga gagacaaaga ctcagaaatt gttttgcaat tgtctatcca 60
ctaagcacag accttgcgct aagtgtcag acttcacgtt ctaagccgag cttgctggcg 120
ctaagcgcac aaaccctga ttggttggt gaatagttca gctaagcgca catcactgcg 180
cgaagcccta catcttcacg ataattgaac cttaaccagt gggcttagcg tggatgatgt 240
gctcagtgcc acttcttctc tggaaaattt ttattggagc agcgctaagc gcgctatcct 300
gcactaagcc ctagatccat tctgtaactt gagtttgtaa gctgggctta atggggcaag 360
aagtgc 366

<210> 22311

<211> 406

<212> DNA

<213> Glycine max

<400> 22311

gaaactcagc ttacaaatgt ttgaatccag cccatttgta cattattcaa atctagataa 60
gataagatag gagctatatt aaataatct tagatgagaa atgcaaactc agataagata 120
agataagatc tagatcaaat aatatctaga tgagaaattc aaatctagat aagatatgat 180
aaagataaga tatgataaga tctaattttg tagaataaaa tagtctgcc tcttcaagtc 240
caagctcaat tctggattca agcccaagcc caattctgga ttcaaacctg tcatacccta 300

attacgtccg gggacctttg cttgatgaca tgcgaccttt ctttggctct tgagaggcgc 360
 ttgacatcca tcattgggca atttgtgaaa ttccaggaca tgccga 406

<210> 22312
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22312

tctgcangca agcttggata actnnnnnna ngggagatng atgcatatct tactaattat 60
 gttaaaatct tgttttctct tcttctgcat tgtagttaaa ttaaactatt atgtgaaagt 120
 ttggtccatc tgtgtttcag ccttgcttca attactttct ggggtgtagag ctatcaagggt 180
 caatggaatc tatttaggaa tattgtttta cttctacatg attaagttat taaaaatttg 240
 cactgtttga ttgtttaaag aagggatata tatgggtgctt gngagcaata tcttggactg 300
 gaacacgatg acagtgtctc aaaaaagtcc tatgcagtca accaggtaaa tattgaggat 360
 tagtttcttt ctttccttt 379

<210> 22313
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22313

ctaagcttgt ggaagccttg agcaacaaac tgttgggttt ttggcaagct ttgaagacct 60
 agccatcgta aaaaaaaaaag gtatgattta tcattgtttt gtttgcagta gtggccatgc 120
 tctaacgagt gcgtaccaa gttatcttca gttgatctaa catgttttgt ctgtggagca 180
 ttgattcttc aagggaatga atgggtggtg acccttgaac gtagtcaaga agggaagggt 240
 gatctcgaca atacaaagca cgaaagggt aatgttgatg gccgaatggt aggaagaatt 300
 gtaccaatat ttgacgaggt gaaggactt gtaccaagat catggatggt ctccaacaaa 360
 acatctcaat taaacctcan aactgcgatt agtgacttca gtttgggtgt ctaa 414

<210> 22314
 <211> 387

<212> DNA
<213> Glycine max

<400> 22314

tttgcattgca agtttgtgag gatgctttaa tggaggaaaa gaaagagaga aggggggagc 60
acgaaattga aggaataaaa gagggaaaga agtggaactt tgaagtgtat ctcataagac 120
tttcattcat caaagttaaa acaagtgtta cacatgcttc tatttataga ctaggtagct 180
tccttgagaa gctttcttga gaaaacttcc ttgagaagct tctttgagaa gctagagctt 240
agctacacac acccctctca taactaagct cacctccttg agaagcttcc ttaagaagat 300
tcctaaagaa gctagagcta cacaccttcc taatagttaa gctcacctcc ttgagatgag 360
aagctagagc ttagctacac accccta 387

<210> 22315
<211> 406
<212> DNA
<213> Glycine max

<400> 22315

tcttttctgg aaaattcctt ccctgattgg tgttctttat ggtattatgt gttggagttt 60
gatattggat gtgttggtgg tggatgttgt ggccgattta aggggtggcct ttgttggtga 120
ctgggtgttc ttggttggtg ggtggtgggt aatgggcagg actgacattg gcagagtatt 180
gatattgctt ggaagaatat tgcgtcatat gattataatg ggctagtga aagttttgcc 240
acttggaac tgcaaccact acatgagggt ctcctttttt cttcctttcg caattcctcc 300
caactgtcgc attgtcatga attacttgaa tatggttatt tatgttgata ctagcttatt 360
tattgttgaa gcatgtatgt ctctgcatta gtttatggat atcttg 406

<210> 22316
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22316

ggaaaccaag ggggatgaaa antatatnan caattnngcc agncgttaat gttgaatcat 60
agntttgtgc tctcatctgc cctttgtctc atctctttac cttacaactt agtcaattct 120

atcattaccc tttttcaata tgcagaatca gcaacatgca aacatatcta atccagcaaa 180
 tgccaccatc aatagccacg ctatgggtcca gaaccaacaa aatgcctcat gtcccatttc 240
 tttcatcttc taaatttatt gtagcttctg cagatttaaa agaagcatcc ggttcttcat 300
 ttcaacatga atctactggt tagttcataa ttact 336

<210> 22317
 <211> 235
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22317

tggcnttgaa ataaaaatnt gtaggtgtng caagggtttg tggttagtgc ttatntgntg 60
 agaaanatat agaactttgn tnttatatgc agcaacctgc agcaattgac cagcctgaag 120
 cttactgctg ccatatttac aatagacctc ctcaacctca gcagcaaaat caaccacagc 180
 agaaccattg tgacctttcc cgcgacagat acaaccctgg atggacgaat cacc 235

<210> 22318
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22318
 taatctgatc atttttatat cttttttaca ggctattct tgttaaccat ggcgagatta 60
 tgatgacgct tacgagcgca cgggtgcctaa ctcatgaact aggtccagag aactagaggg 120
 cacacttgat actaccatgc ttccactcaa tgacgttaac tgttcacaca catgaacgat 180
 acaggtgaaa gactgggaca cattcggaaa gcaaccaaga gcagtagcta ctgggtcatgg 240
 gagacttaag aaccacttgg aacatgtttc tgaggagaca tcaggggccca gtactaaagc 300
 agaaggactg aagaaagaca tgataaagat cattgacctt cctcaaacag acacgggaaa 360
 ttccttggca tagatgatat acaagggtcca ca 392

<210> 22319
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 22319

agcttctatc ttcattatta gttatgaata caagcatctt gctctttcct attttttttt 60
aatcctaaat tagattagag accacgaccg tccatcaatc tatttggtca aaaattaatt 120
tcaactcaagt taatagttca atatgttttt tatgctaact ctttttggtt ctcaaactta 180
gtaatgactt aaggaaaaaa agttgaccat tgttataaga tgattttaag tagccaaatt 240
taggcacccc atccatgtgc tgggggtttag ccttctgttc ctttaataaaa ttattttctc 300
attaaaataa ataaagtcac gtgaatgtta gttaataaat tgagataata ttttttagaga 360
attataatat ttaatatatt taatata 387

<210> 22320
<211> 403
<212> DNA
<213> Glycine max

<400> 22320
tatcagaaac cttttggaga tttgaccaat ccattgatcc cttggtatat gattcgggtct 60
gtgtttcaat aaggatatgt tagtcttata ctttgtgaaa tacatactcc ttaaatacaca 120
tttgtagtct ttccatttct ttccaagtga ttttttgaca aattccacac cacgttccgg 180
gatcgagaac ttcttctaca aaaacacaaac aagctgtaac aatgtcatac catgcatgat 240
aaaaataaat gaaaattacc acattaagaa aagttatttc ataccctcac aagatccacc 300
aatttatttt tttcttcttt gtcaaaacat ctccaatcgt ctatgtttta aggtgctaac 360
tctggatttc tagctataat gcctagaaag ctagcaagct ttc 403

<210> 22321
<211> 385
<212> DNA
<213> Glycine max

<400> 22321
agcttggaac gtgcaattcg gtggctgaca ccctttctca catccttgac ccttagattt 60
caccatatgt cactttatcc atgttgaaact tcacattctt agatcagttg caacagactt 120
tgctagctag ttctaagttt tgtttcttct ccaacaaatt taggtaaacc tcaactccca 180
taagaatatc agcattagtt gcaaactcat tttttaagg caaaatatgg ttgaactcta 240
acaaccatt ttagaccatt ttgttgaaa agttccataa aactccattg ggtgggcact 300

tgggtgtagc taagacatcc cataagctgc aacaaaagtt cttttggacc aacatgcgtc 360
atgatgttaa actctatggtt acaaa 385

<210> 22322
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22322

cttccccatg aacccttcga tncgtggac tatcgaatac tcaagctagt cttgcgcaga 60
attagggtag aggatttagc atgtttacag aattccagag caagtatacc atagtgctaa 120
ttttgagata aaagctctgg aggagcaag aggagcaatt ttgcggagaa gcctagggtt 180
cttcaattag agagagatta gtgagctata gaggtagtgt gaggtgctga gaagaggagg 240
gatccccctt cttgtgtaag gaacaattat tttgtactgt taatctcatt tgtgttaggg 300
tttttctgta atggctggct aaacaccctt gttggggatt tctaaggaac aactgatgta 360
attattttta tatctaatta attgtgtttg atgtgttttag tgcttctttc aatgcttaat 420
ttcgtcatgc tcttagtttg atcaccatt tgtgtgtaca gttagggtgac tt 472

<210> 22323
<211> 240
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22323

aacgggaaga agagggcggg gaaaaagcac aacaaaaccc cccgccaacg agagaaagaa 60
acaaaccag cacaggagca aggcgccaca aacaaacag aaaacgaaca gaagggccaa 120
aaaaaaagca ccaccaggca aggacacgac aaaaacaggc agacacngca cacaaaagca 180
caagaagaca aaaggacaaa gcagaacagc ggaggcaccc caaaggcgga accgcaacac 240

<210> 22324
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 22324

agcaattctt agagaatcgg catgatatgc gctctaaata caatatccgn gcnatttttag 60
acgcngcatg taacttgatg gctaagggtgc caatgacaag aaataaaatg attttgctca 120
acattcaaaa tgatgtggca caatatctcg agatgtgcta caaggatgca tctcggcttt 180
ggcatattca atttgggcat cttaattttg gaggattata gtttctctcc aagatagaaa 240
tagtgagagg attgtcttgc aatagtcacc ttgatcaagt gtgtgaagga tgtctacttg 300
gcaagcaatt taagaaaaac atttcaaagg agtctaactc aagagctaaa aaattggttg 360
aacttatgca tatagatgtg tgcagttcta tccagccgta gtcacatgga 410

<210> 22325

<211> 383

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22325

agtttctaata gngnncataa tgattgcaga agcataactta gttctcccga aatcctcctg 60
caaaaactgc agcataatgt cttgtgggtc tgtggttctg aagaagcttg gtaaatctca 120
acaaaatttc tttgacgcca ggtaaccaat cgatggcagt ctccaaatag ccatttggtta 180
tatcagtcga ctctgcaagc ataggcatgc aataaattga gtgcatttat gaattcatgt 240
tatatggaaa atcacgttgc aacatcagtt agtataatat ttatagatat cgtctttaat 300
ttcatgttaa gaaattgatt ttgaatacac ggtcaatttt gagttcaaca aaaaaaaaac 360
atcaaaaaat aaattacttt act 383

<210> 22326

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22326

aacaggatca gtatattcat tgacttagat tgtatgatga attcgttgta cgtgacatat 60
tatggagtga tcttgatgca gtcaaattaa gcaatgccta taatttggtta tttttgatag 120
acaataccta caaaacaaac aggcatatgt caccattact tgatattggt ggtgtgacac 180

caacaaggat gacatcatct gttgctttta cctatittgga gggagaacat ctgaataatg 240
 ttgttagggc tctacaacgg tttcaaggtc tttntcttag acgtgatgca gtcctttgag 300
 ttattgttac caacaaagat ctaacattga tgaatgtatc gaaaaatgca ttccctaagg 360
 ttaccaatta gttgtg 376

<210> 22327
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22327

agcttgtggg atngagttta gtttcaaaat ccgtgcctcc tccaaagcga acaggggtgga 60
 ttggaagagg aaattgtcac atggaaaagg ccaccataga tctgaagcgc gatggaaagg 120
 atctgaacgg tcgcgttcat caactccct gctgcgtcaa gcacgactgt cccgcctccg 180
 tttcccacta tttcaaacc taacacaaat gtgttgggga agacgaggggt ttaccgttac 240
 aagaggctca ttttagaggc aggttactcc aaggaacaac actccctctt ccgcaagggtt 300
 actctggtac gctatgcctc tctcaacaca cgcattgtcag tgaatgttat ctgtcctat 360
 gtatatgtgt gtgtatgc 378

<210> 22328
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22328

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 acgtgtaatt tgggatgaga ttgagaactt tagaccgat cccatctggt cctgtaatat 120
 caggtgttcc tgcaacgcat tcaccattat cgcgcaacgg aagctcgagg atagagccat 180
 gcagttccta cgaggcctga aggaacaata tgctaataatt cgttctcatg ttctcctcgt 240
 ggatcccata cccgctatct ccaaaatatt ctcttatgta gctcaacagg aaaggcaact 300
 actgggtaac accgaaccag gtattaactt cgaacccaaa gatatctcca ttaacgctgc 360
 taagaccgtn tgcgatttct gtggacgcat tggatcatgtg gaaagcgcgt gttataagaa 420

gcatggag

428

<210> 22329
<211> 375
<212> DNA
<213> Glycine max

<400> 22329

agcttgcact tctcaaagaa gtcaacaagg agatcagcag cacggtcacc atggtaaggg 60
tcaatgtgga agccagactt gccatgcaca atgatctcag caggaccacc attgcatgtg 120
gcgaatgttg gcaaccocaca agtcatggcc tcaaccactg tcaaaccaaa agcctcgtat 180
atagccggct gcacgaaagc tcccttggtg tcgcagatca cacggtaacag ctctccgttc 240
ctcacacggt tcattctgaga tgaaatccat ctgaattgcc cgttcaactt gtaggtctcg 300
atcaggccgt acatcttctt catctcggcc ttctcttcca agtccttoga ctcttctctc 360
ctgtctccgg caaca 375

<210> 22330
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22330

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tcaaattgcaa gtaacctttt cccagtgtcc cccacaatta attcatagtc atataacgat 120
gccctctcag ctagaatcta agattatgga aaataccaaa agcgagttag aagttgcaag 180
aaaccaccac aaaatcgaag tcacatttca agcatttaag tattatatat acaagtatgt 240
aacattaaca caccttatcc agcaaaggca tggtatcttt ctgtgctnta tgtgtatgtg 300
agaggaaagc ataagctcta tctggtaata tcattctacag ctgcac 346

<210> 22331
<211> 376
<212> DNA
<213> Glycine max

<400> 22331

agctcccttc ttgtgagtgc tttgtcatca aagcccaagg tagccaaccc aatcttcttc 60

tcttcactat attcatgaca tgcaaagatt tgggtcaactt tcatctccca cacaagatat 120
gcctctgggt catgcttcat ttgaaaatta ggaattttat gcttttcccc ttccatatta 180
tctcttttat tattatTTTT tctctctatc tcttctctt taactcccta tcccatgtcg 240
cctaagcctc atttctcctt caaataagat gaataatgca ttcttgcaca aaatgggttag 300
cacaaataat ataaatatgg accttaccat tcaacttagt gtttcaatca aagtccactt 360
gtgtctctct ctctct 376

<210> 22332
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22332

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tctagcttct caaggaagtt tctcaaggaa gctttcattt agtttagtgac gtatgctata 120
aatagaagca tgtgtaacac ttgtcataat tttcatgaat gtgaaactta tgagatgcac 180
ttcaaagttc aacttctctc cctttttattc tcttcaatt tcatgcccc cccctctct 240
ctcattatTT tcttccattt aagtttctc tctaagcttc ttatccaagg tactctcttg 300
gcggtgaagc tcttcttcc ctggcttatt ccctagtggg tggcgctac tctcacctat 360
tctcctttat cttcagctgc atctccatgg ntgaaaatca ccattg 406

<210> 22333
<211> 419
<212> DNA
<213> Glycine max

<400> 22333

tgggaccgtg gtcccagtct gattatcatt ctgcacgatt ttagtgggac cgtgggtccca 60
gactaataat cagaccgacg atacgagtgg gaccgtgggc ccagactaat aatcagaccg 120
acgatacgag tgggaccgtg gtcccagtct gattatcaga ccgacgatac aagtggaaca 180
gtgggcccag agagaatatt caggccagtt atgctttctg gcctgtaaca aaggacatta 240
agtaaagaca gataaacgta gactaaaacg tggtcgcac aggggtgctgg cttttcaagt 300

tccttaagaa tggcctcaat tttctctata cactcagttg gaacacgaga cctgtccagg 360
 ttaagcacca ttttatcgcc cttatacaat actgtcgctc caggagcaaa ctgatgtcg 419

<210> 22334
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22334

ctcgacccgg gatccttaga gncaccttta gcatgcaagc tangttctat gaacggaaca 60
 aaccgggaga gatgacggaa acatgaaccg cacaccaaaa agaagagcga gtccaaagac 120
 ttcacagatc gaaataaggg taaattaaac aactgagtta ggggcttaac ttataaaaat 180
 cattggctga tgtacgaaaa taatactaag tattgacatg taagaagaag agtgctatga 240
 gtacactata gactggaact agtctcttta accatgatgc tccactgcgt ctacgtgata 300
 tcttaatgat acttatgaca atacaaattt gaagcgagag tatgaagtat agttaaatgat 360
 ggggtagtat ctggcta 377

<210> 22335
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 22335

ctactatctg tattgctgta ctactaaatt gacctagact attggtataa aatataaatg 60
 accattaggt atgtgctatg ttggacatat caatatcaac ctctgtcat gttgacctac 120
 ggggtctcaat tctctctttc tcagcctcta actatatcac ctactataag cgtatgaggc 180
 caaaactgct tattaaacat gggctacaat accatttgca tcaggaactg gttaggcctg 240
 ttaattctgc aatcatttcc aatacagaag atatacccaa atgctaacat gatttgat 298

<210> 22336
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22336

agcttgatata tgaagcttgc agaggaagtt agagaaagaa agagatgaag gaagcaatga 60
attgcataga atgaatcaac ttacaaagtt agtcatatta gtttggtata tagttagtta 120
caagagtaac taagttataa ctaactcatt aactcttggt acatagagat tagccaacta 180
aaataactct agttacataa taatctatgc taagaacacc tcatttgggt tttgtattta 240
ctcatggcta cggttagcat gggaaaggta aacagggtct ctatcatgaa aaaaagttgt 300
tggactatcg gatttttttt ttttactttt gaattanagg ctaggatttt ttttctcttt 360
tatctttgta ttttctat 378

<210> 22337
<211> 424
<212> DNA
<213> Glycine max

<400> 22337

gacctataaa actcaagctt atataatcat tgaaatcaag ctttgtgcca atctcttatt 60
aaccaatgtg agattctttt aacacataaa cttaaacttt atctaactct tgatcttagt 120
ttcttgatct tgagttaaag cttgaagcaa ccttgggttt tgacatcatc aagacctgta 180
tacatacatt cacaatagtg ttgtttgggt tttccacttc cttttgtggt gcatgtgtgt 240
tgtctaataag cttttgtgat tcatgagttc tttgggaagc ttttcgaggg agtttaaggg 300
gccagggttct aaactttagt tcgtgttggt tgacaactta gagtttattg accttttttc 360
aacatatact gattcggcct tcttatctag tgtcgagaag ggtccgatg atgactgagt 420
gttg 424

<210> 22338
<211> 375
<212> DNA
<213> Glycine max

<400> 22338

tctagtcttc ttcacatagt ccgcctttgc ttgaccttct ttatgcttaa aaacagaaac 60
attaggcata ggcaaaagat caagaggagt tagtgggtta aaaccataaa caacttcaaa 120
aggagaacaa ttagtggtgc tatgaacagc tctattgtaa gcaaattcaa catgggggtaa 180
acaagcttcc caagttttta agttcttctt caaaactgtc ctaagcaaag ttcccaaagt 240

cctattaaca acttccgttt gcccatcggt ttgtgggtga caagtgggtg aaaataacaa 300
 tttagtccc aacttgctcc acaaagtcct ccaaaaatgg cttaagaact tagagtcct 360
 atcactaaca atgct 375

<210> 22339
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22339

natgaccccc tactgagacc tcagattant cctcngacc nccaangacc ctatngaata 60
 ctccagctta taagaacaaa attgtctaaa tcttattcaa agatgcgtga gaatgctgaa 120
 gcatcctcta ggaaaaatcc caaggaatcg tgcattcaat taatggcgta aagcacacca 180
 taagagcatg tgtaacgatg gccctaattc tcacgaatgt gaacacataa gttatgcact 240
 tctaaggaca cctacaggac caattgttga tccacagaac aaagacgcca gacatttcta 300
 ttattaaatg aatcacacaa tatctgaaca ctaaccetta tatccaaagt actctcttgg 360
 cgggtgaagct cctccttgcc tggettattc cctagtggat ggcgcctact ctcacctatt 420
 ctgctttatc ttcagctgca tatccatggt tgaagatcac cattgagaga cctcattn 478

<210> 22340
 <211> 416
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22340

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 tgaaatgcca tgcaatatct tgagagctgt agctgggtata tcaaactctg atcgacttcc 120
 aacaaagatt aatttaattt tatggtgggt taattgtggc tgccaatagt tggattaatt 180
 tgatccatct ctttatatac tatctgaaat gtaggtgtga attcaagaat aaccatggta 240
 attgggttcg tgaagtcaaa cctaatttat gtcttgaaat tgcattaagt gtggaaaaag 300
 ccttagagac aaacaaatga agagaaaagt aattgggtatt tgtcattcta taaataagaa 360
 actgcgagat tcttttactg atcttcttgn ggtgttattt ctctctgtca tacaca 416

<210> 22341
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 22341

tactaccaca ttcattggac taaatccatt tcaagattac attgttgtgt cctgagacaa 60
 aaagcatggg aaagctatat tcaggaaaaa aaaattcttt ccaaaaaagt tatagaaaaa 120
 gaaaaaatca agttccacaa tatgctaatac tggacatgta agtgaagacc aatgcctagt 180
 ttggattaac ttgtgggaat tttttaatta agaaacccta ctattattat ttttcaaagg 240
 caataatgcc aagttttgat aaatttactg gtgcttatga acaatttggg caagggagct 300
 tctgaaaaat tatagttgca taagtttttt ttttaggttt aattacacat ttagtttcta 360
 tagtttttaa acttgtccct tttagtccct atagataata agt 403

<210> 22342
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22342

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 aatggctgtg aggtttatat ccaacattca cctcttctat gcacactntc aacataatct 180
 caatatttat atcataccat cttgctttct ttcttttcac aggaacttga ttgagagaca 240
 tttctcanac ttaatgaagc acacaaaagc ataaccctaa tccataacaa ttcaaaattt 300
 aatgagaaga aaaagacatt aatgaaaaat tggttaaccc gtgatgttaa taaaggaaga 360
 cgaacagatg ctgaaggatg atctgaagag aaattgaaaa tggaagagag actg 414

<210> 22343
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 22343

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ggaaaggaat agcactcaga gcctcatcaa cttttattca agaagaaagt gacaaagagg 120
 acttgaatga aatagaagaa ggtgatgatt tcataccttt tgtgaagaga ttcaataagt 180
 ttctgagaaa caaaagaaat caaagaaaat caaacatcaa ttcaaagaag aaaggagaag 240
 attcctcctt agccccaaaa tgctatgaat gcaatcaacc tgagcacttg agatttgatt 300
 gtcttgcct taaaagaaga atggaaaaat tcgacaagag agatttcata gaaaagacag 360
 catacgtcac ttgagaagac aatgacatgg atccttcagg tgattcagaa aataaaatca 420
 taaatctggg 430

<210> 22344
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 22344
 actttgccga cattttgttt tttgccctg tagagataag gagtagggcc gatcatttgt 60
 gttggaatct catatgggtca ctggtggagc tttatctagc cgatcgtaca cgttgatacc 120
 tcggatatac aacaagtggc acacaagctt ttatatatat cacaatgtct ctaacttgag 180
 aagttatatt gagtctatca gactgagaag cttggatgag aactcgaacg agttgactaa 240
 taagctaagt gaaactgaca ttctgatacc aatgccagat gtcgtacaag atgtcacgac 300
 ataacacttc agaacatgct agatctattc tacagtttgc tct 343

<210> 22345
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 22345
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 gccgatacaa agacaggtta accatatctc gcctgcgcta attgttccat gctatatgta 120
 gcacactcat tgatcctgtg aagtctgatg acctgtacaa tgaggccgca gccatactgg 180
 gccagttgga catgatattc acccctatgc tttctttgac atcatgatta actcgataga 240
 gcatctgtgc agagaaacca aacgatgagg gcctgtttat ctacagagga tgtaccgggt 300
 agaacgatac atgaagagcg taaaagggtg caccattaat ctatatcgac tacacacatc 360

cattg

365

<210> 22346
<211> 384
<212> DNA
<213> Glycine max

<400> 22346

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tggttccagt ttaaactgga tgcctaagag cactttggag aaattaccat tcaatgcctc 120
ccacctaaag ccgagttcaa tgggtggttcg tgccttcgac ggcacccgcc gagaggttag 180
gggacagatc gacctcccag tacagatagg ccctcacaga tgccaagtta ccttccaaat 240
aatggacatt aacccccctt acagctgtct gttgggggtgt ccgtggatcc actcagtggg 300
agttgttccc tctacacacc accaaaagtt gaaattcgta gtggaagggc atctgggtcat 360
cgtatcaggc gaggaagaca tctt 384

<210> 22347
<211> 420
<212> DNA
<213> Glycine max

<400> 22347

ttgacttgag tcatcaagaa attataaata tgtgaccatg gcatgagttt cattaatcat 60
ccttcaataa gttttcacia caagttttta caaaactttc tacctcgttt ctcttcatct 120
ttcaatagaa atatttgatt cattttctca cttctttcta agagtttttg ttcaaaactt 180
tctcttccaa gaaaagttct ttgctaaaaa acttggtgcta ttttttcttc ttcattctct 240
tctccctttt ccaaaagaac gaagcactaa ccgcctgaat gcttttgtgt ctctcttctc 300
cctttgtcaa aagaacgaag gactaacgc ctcaattctt ttgtgtctct cgtctgcctt 360
acaaaagatt caaaggacta accgcctgag aattcttttg attcttccct tccccttaag 420

<210> 22348
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 22348

agctttgtga agctcctggt ttatctttac ccgattttac tcaaccattt gaagttgaat 60
gtgatgctag tggagttggc attggggctg ttttgataca aaacaaaagg cctatagctt 120
atttctcgga gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct 180
atgccattgt gagagctctt gatcattgga atcattatctt gcgttctaata cactttatat 240
tgcattcaga tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc 300
atgctaaatg ggttgaattt cttcaatctt ttaattttctt ttcanaatac aaggatggta 360
agagtaatgt ggtggctgat gcactt 386

<210> 22349

<211> 419

<212> DNA

<213> Glycine max

<400> 22349

tgcacaaaa tcaaatgata ataacttttt actcggttgt ccgaatgaat accgtattat 60
atcgagaggt tcgaaattga caacggaggc tctgagaaaa tccaaacgac aataactttt 120
tactcggatg tcagattgtg tcccatagta tatcgagatg ctcgtaattg aaaccggatg 180
ctcgtagcaa attcaaacga caataacttt ttactcggat gtccgaatga atcccataat 240
atatcgagac gctcgttaatt gaaaacagaa gctctgagca tatttctaattg acaataactt 300
tttactcgga tgtcagattg agtcccgtaa tatatcgaga cactcgtaat tgaaaacaga 360
agctctgaga aatatctaac gacaattact ttttactcgg atgtctgaat gaatcccg 419

<210> 22350

<211> 375

<212> DNA

<213> Glycine max

<400> 22350

agcttgtggt ataagaagct tatggtgtat ttaatccaag tcagaaaata aaaaatatta 60
attatttttc aacagtattt ttctcattga atattgttgc tcttaaataat taattaattc 120
gaaactataa tataatgttt tataatgagg acattttaat aaatagaggg gctcactaat 180
taatttgatc ttcaaacttc aagttcttga agacggggcaa caagatcgag caaataaaga 240

taatgttcag acaatagaat agcgccccaa gcaattgcaa gtaaatttgg aggaaaccaa 300
 caaattcaat tcatactttt tttttattat ttatTTTTat atgtataaat taaaatagtt 360
 atgtacttat gttga 375

<210> 22351
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 22351

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 aagtcgcgac ttcatataga ataagtTTta aaagaattct tcaaaaacca aatagcacag 120
 ttgcgTTTTa caaaagaact tgctcaaatt ttctaaagtt acatagtgat tactctctgg 180
 taatcaatta ccagctggta gtcataatt accagtgacc agattgggtt tcaaaatggt 240
 atcaaatgat gtgtaacgtt ccataatgat ctttagatag tgtaatcagt tgcactatat 300
 taggaatcga ttacgagtga agctg 325

<210> 22352
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 22352

agcttggttat caaagtacat gaactatgct agtagaattc attttcaggc agcaaaaaga 60
 gctcttagat atgttaaagg cacaattgat tttggaataa gataccatta tgttaaaaac 120
 ttcagacttc atgggttattc tgatagtgat tgggctggat gtgctgatga tatgagaagt 180
 acttcagggtt atctTTTTtag ctttggttct ggaattttct cattgtattc aaagaaacag 240
 gaagtaatag ctcaatccat agcagaagca gaatatgttg ttgcaactgc tgcttgtaat 300
 caagctctct agatcagaaa gcttatgaca gaattgcata tggaacaaca agacaatacg 360
 caaatatttg tcgata 376

<210> 22353
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22353

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catccagcag aggtatgttt acctctactt ttctaaatgt ttcaaagatc tctttctatg 120
cctcttccat ttttttggtg gaaattgctc ttggagggaa tggaagaggg atatgctgct 180
tctctttaga ttcacctgga tagaaattgt taggtaactt actctttaaa tttttgtcat 240
catctttttc tggagtagag tgaggttggg caggttcatt ggtggatgag gaagatgcta 300
ctggttgagg tccttgacac tgctttcctg acctcaatgt aatgacactc acattnttgg 360
gattctggac agattgagaa cgtaatctat cagaattctg ggactgttgt tgat 414
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<210> 22354
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22354

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agcttgaata tgatgctcta atggaggaaa gaaaagagaa gggggagcac gaaattgaag 60
gaataaaaga gggagagaag tggaactttg aagtgtgtct cataagactc ttcttcatca 120
aagttacaac aagtgttaca catgcttcta tttatagact aggtagcctt cttgaaaagc 180
tttcttgaga aaacttcctt gagaagcttc tttgagaaaa cttccttgag aagctagagc 240
ttagctacac acaccctct cataactaag ctcacctcct tgagaagcat ccttaagaag 300
attcgtaaag aagctagagc ttagctacac atacctctct aatagctaag ctcacctcct 360
tgagatgaga ag 372
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<210> 22355
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22355

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ntacagcaga ttttagtaat gaccactaa ctagaattt aaataactta atgccattaa 60
cctagggaat taaaacaaac taaatggctg agtgtaactg aaattgttgg caaccaaag 120
tcacccccaa cagccaacaa gtcagccacc atttggctct ccaaaggct gatgcctagg 180
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ttgccaatg gcccttatt acaacttgaa ctaaagccct tttagttgat taacccaaaa 240
catatTTTTg gtcagccaac tttacaagga ttgggccatt atttagacaa actaaacact 300
ctaaaattga aataaagtgg tgtcatttag tcctccattt gggccatgat acaactcaca 360
accttggaact tttctccttg aaacttgggc ttgtattcaa atagtatgga cagcac 416

<210> 22356
<211> 376
<212> DNA
<213> Glycine max

<400> 22356

agcttcaact attcctgtgc atttctgatg gttacattat ctactgacag aataacatca 60
ccaggagcta aataaccgaa caaagggtgag gttgggggta cattcaaaac ctgctccca 120
tgtagccacc aacatgcaat aagaaagtgc atgatataca aaatccaaac aaaatgacaa 180
gcatacaatg atttaggaaa agtaccatgg gactactatc actgctgtaa aagggaaaca 240
agatcatggg caagaggaat aatgccattc cgcaagctgc acaacactag aaaatgggtcg 300
aagggtgtaga aatgcaatta gcaatctaga tcatttaaaa atcaaattaa aaacatacat 360
atgcatataa atgcat 376

<210> 22357
<211> 180
<212> DNA
<213> Glycine max

<400> 22357

cctcttatat gcgtagtgat gaggactaa tctcaaagt cttttagtg agtgcaatga 60
acagccctgg tctgtatcgc catgcacttt caacaccctt atgtgtgctg cccaatactg 120
gcaagagtga ctggtttact tcctttaaac accacccttg gtctttcgag ccactattcc 180

<210> 22358
<211> 377
<212> DNA
<213> Glycine max

<400> 22358

agcttattgg attatggggc acccgtcata tgtgggtacta ggaggcgatc gggcgatgac 60

acaaatcaac tatcccatTT ccaaaagcca ggcagaagct ttcacaatat ccaaacaatt 120
 caattccatt tgtcatgaaa ctaccttaaa caaagaaaaa cagagtggag gcataaatct 180
 ttgcacaaga ttcatTcaaa ttccatagag tttttcctac cctcatacct tagcaaaatc 240
 ctcttcgttc cgattcgTta acctttggat ctcttgaaa atttaactgg gggttcctaa 300
 tacagaaatc taaattttga ccattgggat ctgctaaaga acatacaaaa cacgaaatat 360
 actacctttc ccgtgac 377

<210> 22359
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 22359
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 gagtgggtacc tggagatatg tcgcgggggt caggagacct tggggacgtc aggtgggggtg 120
 ctattgcccc aaaccaagct tgaccaatcc tgaccacaacc cgggcataat cagtcagtga 180
 gaacctgtga tgtacctaaa caggcgagct cctggcagtc aaccgataaa agaacaaaga 240
 ccacaaagca gggaggcttg tgtggtgggt ggccaactat gaatcttgag tgatatctgt 300
 gatatggcct ctagtaatcg attaccaagg gtgggtaatc gattacaagg cttaaagggtg 360
 aaggtaggaa gctaagatgg cctctggtaa tcgattacca aagggtgtaa tcgattacca 420

<210> 22360
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 22360
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 agttgaagca gtagactaca ccatcaggac tcgagaggaa attgcaacaa ttttacacaa 120
 gaatctcagg aaagcacagg agaggatgca gttgtatgct aacaagaata ggacaaacaa 180
 agaatttgca gtgggagatt gggatatatt gaagttacat ccatttaaac aacagtcaat 240
 acctaaactca gcgtttcaca aattagttgc acgattttat ggtccttaca gaattgtaga 300
 gagagtgggg aagggtggcat acaagctaga cttaccagct caagctcgca tacataatgt 360

attccacatt tccttg

376

<210> 22361
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22361

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atctttgtca aaacacaaag gtaacaatat tactaaaata aattctttga aaaatggtac 120
aattgatatt caatcaagca aagaaaagtc aggtagtttg tctacacggt caaaagtcaa 180
ggaaagtgat aacattaatc cctcttctat caaagatgga aaacttgaaa gtatttccag 240
cagtttcagc aacatggttg tcaatataag atctggaaat tctgaatata ctaatgctaa 300
gggaacttgc tcacatgttt cttataagcc agaaatatgg attctccctc aacaagttga 360
agatacattg actcagctga atctttcaat tgtatgcaaa tggacta 407

<210> 22362
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22362

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gtgcaaggca ccttccttct gtcaaacttc ggtctattaa cgaaaacctt ctagccacct 120
ataaaaatat tgttatctag gcacttttcc aacctctgct catccatcac ctctttgaac 180
ctaacaaaac cgaacctatg gccaaagttg tttttgggtc gggggatgaa gacctcccat 240
acctttcccc atttctggaa aatctgccac atatcttgct ccattatccc ttcagggaat 300
ctagagaaat agaaggctgt aacatcatcc ttatttctct atgtcatctg ctnttctttc 360
ctttggtagc tgt 373

<210> 22363
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 22363

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 atcccaattg tcactatatg tttttatagg ttttggtttt ggtagttttg ttgtcttgaa 120
 tgtgcataca tgtnaaactg aaattatttg ttgagaacat tcggttggtg cttgttattg 180
 tatatttgct tatgcttttg ccattatgga caataaatag ttaagggtgaa tatatgggtg 240
 aatcgtaaca agatttagtt tgtcctttga tatgccaaca gtagagaccg aatgattgat 300
 ttagttctac tattgagcct gcagctccaa tctttgaagc tggatctact tctgtgcaag 360
 ctaattctcc tcagtcatta gattagtctc cttctg 396

<210> 22364
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 22364
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 tattgtgatc atctctttct ccgtcattgt aggtgccact tgagttgcca agtctctcca 120
 tctttgggca tattctttga aagatccgtg cccctttttt gcacatgttc tgtagtgtga 180
 tcctatccgg aatcatatca aaattgtact gatactgcct aacgaaggca accattaggt 240
 ccttccaaga atggactcgg gaagggtcca agttagtgtga ccaagtagca gctactccag 300
 taagactttc ttggaagaaa tgtatcaaca gttcctcatc ttttgcgat gcccccatct 360
 tttgacaaca catctttaga tg 382

<210> 22365
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22365

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 tgtgtttgac ttcgaaaagc aagaaagaga tattctaaga gaacttcatt gtcaaagtct 120
 ctctcaacaa ctcttgggca aacacttgca aatctattga gagttcatct aggaacatca 180

aattgtatta tccactctaa aggagagaaa tctttttgtt catctcagaa aatcaattgt 240
aatcaataga ctgggtgtct cttgaattgt gagtttcctg aacacaaggg aaagggattc 300
cttaggtggt cagatgttgt aaaaaggttt ttacaaagtt agtgaaaatc tcaagtgggt 360
tgcttgagga ctggacgtan gcacgggaag taaccgaacc agtataaatt gagtttgcac 420
ttct 424

<210> 22366
<211> 335
<212> DNA
<213> Glycine max

<400> 22366

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gtagatgctt tctctctata ttctcttgct cttatatatg aaaggtgcat tcacagcccg 120
taacttcttt tgttttctat tattaagaac aaaatttgtg atgaattctt tgaccttgc 180
taccttaaatt aatggctaaa attaagatga tgttattctt tccctttttg tatattgcta 240
ttttgatatt tataacagaa agaacaggcc aaagttaaca tggagggcgc tcttgatgtc 300
attattttgc ggcataatg ggtatggata aactc 335

<210> 22367
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22367

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gtacgtaact tattcataac cgttatcctt gctgaatcat attctatcaa cattatagtg 180
tcattttgag tttgccattc acgatattgg gaattggatg caattttggt tctagaattt 240
tttttatoct agcatttatt tctttttttt tcaatgaaaa tcattgtaat tttgaagtct 300
gtcttgagaa caaatcaaat tggagattaa aaaaagtcct ttttttgtgt tatagggtatt 360
ggaattattt ttacctatg aattatggac taaatatgta t 401

<210> 22368
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 22368

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 catttgagaga gctagtgcaa atctttctct atttactaaa tcatctatgt aacatctgta 120
 acaattttacg gacgtataat gctgccactt aacatgacat ctgatgatga accaattttac 180
 gtaaatgcta agcagtagca tggaatcatt agacgtcggc agtcccgtgc caaagctgta 240
 cttgatcaca aattgactaa acgtcgcaag gtatgattcc tcatatgggg gtatcccaca 300
 tatttttttca ctcatattaa tgaacattat agtctcagct tcaactggcct tgaaaaaaag 360
 taggtatgat aggggtggtct ggcctaactc ttgtagaaag tgatagatta tctctttcaa 420
 gcaacgc 427

<210> 22369
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22369

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 gataattcaa tggtagccat aaccctagcc aagggtcatc aacctccatt tcttcgagaa 120
 tacgactcga acgcaacgtg tgcttgtcac ggagaagccc cggggcggtc cattgagcat 180
 ggtagggctc tgaagcgtaa ggtgcaaggt ctaattgatg cgggctggct gaaatttgag 240
 gagaattgag tgtaaaccct gacattgaca agagatgcca cacatggggc aattttgaca 300
 gttgttgta tgtgtcccta atgactcatc aggggtttcca agtttatgcc attattgtaa 360
 accacagcta caatgttaaa tgaaa 385

<210> 22370
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22370

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 actcgggtgt tgaagagacg gcatgggcat ctccttcttt cctttttgcc cctgtcgccc 120
 cgattctttt ggcattcacg tttgtggagg aaacgtaatc aaactttcct ctcttcaatc 180
 caacctcgat tctttccccc gcaaacacca gatccgcaaa gctggacggc atgtaaccca 240
 ctagcttctc atagtagaac actggcagag tgtctaccat catgggtgatc atctctctct 300
 caaccatggg aggagctact tgtgccgcca aatcccttca tcgctgcgca tattctttaa 360
 aggtttcacc ctctatcttg aacatattct gcaattgagt accgtcaaga gccatatc 418

<210> 22371
 <211> 274
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22371

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 catgacccaa atcaactatg ccaatgacac aagccaagca gaagcgttca caatatccaa 120
 acaaatcaat ttcacccgca cagacactac cctaaactaa tatgaacaga gtggaggccc 180
 aaaaccatgc acaagatata ttccacatcc atacagtgtc cactaccctc atacatgaac 240
 aaaaatctct ccggtgcgac acgaatacca ccgg 274

<210> 22372
 <211> 673
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22372

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 nnnttcatnn cancannata ngngcnnan ngnagnntcg nagnccang tatntcang 120
 nnnggaggan gagtatacng nantngtttt tgtatnnann agagatanan aatanggnn 180
 ngnagtatca nacaagaagn nngaganntg aggggnngaa gatctntagg aggnnatggc 240
 gagacncca gagaactaac gntcgtgagg atccgtctac accacgtgat gagcgatntc 300
 ncgacntcaa gtacgcgaag caactcgttg atgtgtagtt actttactct tcgcgacgat 360

gctttctgat aaggcgtcca tagcccgagn gtattcgctt tcacaaagag cacattctgt 420
atggcgtttc accgctctga ttacgacta ctatcgacat gggactacta cgacagtaac 480
gcactagttg ttggtgttct cgcaaagacc tatggaagct ccgaatgacc gtgatgtgca 540
tctgctacgt ttatcttcta tgagcaataa ggcgagtga catttacgac attcgttcag 600
taggtgatcg caaagacttc aaagaacagt atctgagatg actattgctc taaaggtgta 660
atctatacga ccg 673

<210> 22373
<211> 493
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22373

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ggaatactca agctaaaggt cgctccttcc actacgcgcg ttttaacaat tgtgtcacga 120
acngagtccg gcgggctcga cccacatccc gttgcatcat tcaagtgagg gttttatgga 180
gatgacaact cacctcacct ggtcgcccta ggaagaacat ataatggggt gaccaccatg 240
cccaatagcc ctctgggcaa tgatatgatg aaggcaggtg ataaggaagt tcaagacgtt 300
gatgctcacg acccttgtcc cactgaacag gctaggctaa tggggtaagc ccctaacacc 360
tgcccttacc atctctgcaca acctttttga aataaaagat tagctctttg tagaatcaat 420
gactattact aaaaaaagga cccgctacaa ataaagattc gactattatg aaactcacgg 480
tattatctgg atc 493

<210> 22374
<211> 374
<212> DNA
<213> Glycine max
<400> 22374

agctatttta ttgataggcc caccagtaat tgctgcacca gctagtaaata aactggcact 60
tgaagcatca ccttcaacaa aagcattgcc aggagacctt ataggaaaca tgagtcttaa 120
tttcattgca ttttggatac taaaagtgat gtaacactaa aacatagaaa cctacttgta 180

cttttgacct ccatggacca agaacctatc ccaattacca ctgtgttcca cagaaactcc 240
 aaaacgctcc atcaacttca gagtcatttc aacatatgga acagaaatca gtttatcaac 300
 aatctcaatt tccacatcac caagagctaa aggagctgcc ataagcaaag cagtcaagta 360
 ttgactgcta actg 374

<210> 22375
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22375

ctaagctggt atgtcctcag ggcttgagct ttgacttcta nctaantgat tcttaaaaaa 60
 atcatatctt tggcacttgg gtatatgcct tacttgggag cagccacatt tttctttaaa 120
 atatgttttt ctatttttaa gccttataat agcatgaaat tgtcagaaaa tgacaatttg 180
 tgggtggcttt aaaaatctta agagatcaat tacaaatatt ttacaagatc aacgacacga 240
 ttactatttt tttagtttag agacctaaat aaaaactcct aaatagttga gggaattaaa 300
 ttaaccttga atgaacataa acaacaact tttcacatgg atatgtaaat aaaaacacca 360
 atat 364

<210> 22376
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22376

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 tttaaaatta ctgccctttg gggaccaggg gacttcagct cagctccccg aaagagccaa 120
 acgaacgggt acaagagaga ggaatccgcg agctacagag gacagagcac attcacgaac 180
 ggggccgcct ccggaccaga ggaatacaaa acaagcggca cgcaccgggg acgagacaga 240
 tggggtagga aagccaacgg gaaaacgtgc aatgtacacg cagggaggga ggacggaacc 300
 gagcaaacga cagtacaggg gggatccatg ggagagg 337

<210> 22377

<211> 389
 <212> DNA
 <213> Glycine max

<400> 22377

tttgcattgca agtttggttt gtgaggaggt gaatagcagt aaggaaatgc atctattcat 60
 caatgtaggt cattcaaag aaaggtctgt gggtagaaag gattgaggtt gaggtgctc 120
 ccacgtatga tatctaaaat ggactagcat aacatattcc tgtgtcagag ctacttatgt 180
 aaaggattat ttacaaaac tcaaatggta aaaacaacat tcagggggca aatagacaaa 240
 gctgatacaa ctggtatcca caaatagaag aattcacaca acagtacaca gagacgcaga 300
 gagagaaaaa ggaaccagct attatctatt gattactgaa aatagtgtct cagcactctc 360
 ctctacaatg agtttcccca ataaatacc 389

<210> 22378
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 22378

gcccttctga tccgaagagg ctgacttttg cggatttcgt cgagagctta tttgacctca 60
 tcaacgtgct ccatcatctc ttggaactcc tgcgcctcca tcagcgtcca cgtagtcgga 120
 atccccctcg gcggcgctcg cttegccttc ttgactccc ttgctacgcc tgcgccggag 180
 ccgtatccga agtcgccgat ctccgaatcg aataatgacc aatgctgcga ggaccattcc 240
 tgggatgaga acgctaattc gcagaaaggg tcgtcaatct cctgagataa cgaatccctg 300
 actggcttcg aaacgtcgtc gattatagag gacgatcccg attacgtacc cgagaggggt 360
 cctttgctgc tggcgtaggc gcggacgac attttacatg gagatcg 407

<210> 22379
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 22379

agctaccctc ctgtgttccc cttttttggc ttcccaagaa gtaagaggaa tgacttgact 60
 ttctacattg aaagaaatga ctggccaaag aactcaattt ttcttcaaaa gcatacccca 120

cttgatagat tgtgaaggaa attacaagat cagaaacagt caaagaagtt tacctactaa 180
agttacaata atgtgaaaaa taaaaaaaaat ctctcaatt accttcagat cctaagcaaa 240
aaccaaaaag cagggtgtcc aaacataaca attatcatca agaagaaaac aaaactggtt 300
tggaagcaca ttccagaccc gcaatgttga gaagcattca ctacgaagaa aaacaaaaac 360
tcaaaga 367

<210> 22380
<211> 406
<212> DNA
<213> Glycine max

<400> 22380

tgggtctaga catgtctata gcattctcat gagctagttt atataaggag ttagaaattt 60
tgtttgtctc tctataaata tgagaacctt gttggattaa aataaaattg gaaaataaat 120
aaagaacttt aacctatata ctatgtgatc aatctataaa atgataatca taacatttca 180
attatataat cattaagaaa taagggtgga catgggttag gttgctcggg tttaaaaaat 240
atttagattt aaccaaatta atattaatca gaaaaaaatt atatagaatt aaacaaacaa 300
attatatatt atagaatcat acaacataaa aaagtatatt ttttctaaaa tggtagggc 360
ttatgttggg ttgggtctcc gtacctagat ctgataattg aattga 406

<210> 22381
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22381

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ccatttcgta ttctgtaac ttccaaata gtgtagcaag agacatgtta gttaaatctc 120
gtgactcagt aatggttggt acctagggt gccattctct acttaaacat cttaatactt 180
tatttatgat atcttcattt ggaaaaattt tccctaaaga tgcaagatga tttattatat 240
gtgtaaacct cttttgcatg tcttgatac ttctatttga attcattcta aataattcat 300
acttatgagt taatggattt atcctagata tttcacatc tgttggtgcc tcattgtgta 360
ctttagggg atcccat 379

<210> 22382
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22382

agcttggttat actattatgt attatgatat gaacaaatat gttaatgtta tctcattaag 60
 agataatata tataattgaa ctatTTTTTT tggttgaaaa ataaactatt ttagggaaaac 120
 aaaatataac atatggtctc aaatatacta tggtgtacaa tagtTTTTTct tatgtgaagg 180
 tctcattgaa aaataaatag acttcagttg aaaataacta taaagtcaga aacaatcatt 240
 attgaataat gtttaattgt attagatcaa gaacaattgc ttaaatatgc ttaatttggt 300
 taaaaaattt caaaatttga gtctaatttg ttatttggtta taagtTntat ttttaggtta 360
 aatttaattct atctgaaagt ctaact 386

<210> 22383
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22383

ctccaaaaag aattgcaaga gtcattgtag cgagatcttt cgattatgca atngtagtta 60
 cctttgggtg tcattgcctg cttaaaccatc tcaacacttt gttaatgaaa tcttcattat 120
 gaaatatttt ttctaattgat gcaagatgat taactatatg tgtaaatctc ttttggatat 180
 cttgtatggt ctcatTTTTga ttcatTTctaa acagttcata tttatgtgtg agagtattta 240
 ttctagatct cttgacatca attatgcctt catgggttac ttgtagtgta tcccacattt 300
 cttttgcatt ttacaattt gaaactctaa aatattcatc catgcctaata gcagaggtaa 360
 ttatattttt gacctttana ttatattgaa cccttcttct ttcattctca tcccattggt 420
 ctctag 426

<210> 22384
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 22384

agcttgtatt tgaatgttga tgtttattca caaaaccaa atcgaaattc atcttttgaa 60
gcaataatac agccaacaga atccagctaa tggcataaca tgcaggacgg ctgttaaata 120
ccattatttg ccactctga accagagaga actcctgctt tgattttttg tatggatttt 180
gagatacacg gggagagaca cctctttgtg cagcctcagt tgatgccata gtcacaacat 240
gtgcagcttc gtcatcatta gcatcaaaca ttgactttgg gtttctctta ttaggcaaaa 300
cataattttc cctatcatca ggcttagagt cgttaactgg gaaacgaggg gtccttttcg 360
caactggcca aggtgggata cctgat 386

<210> 22385

<211> 425

<212> DNA

<213> Glycine max

<400> 22385

tctaaacacg ttaaggattg tgagtaactta ttcaaatttt tatctattag tgcattgaggt 60
gcacaagtgc tagttgaaag ttcaatgagg aaacttcttg atttgtttta ttcttatctc 120
ctgtaagtgt tttgttaaga tataggaaca taagcatggg tagaacacct ccaagtgaca 180
gtggagactt atttttgaag gatactctac gcattcccg c aatgtcattc tatttcaa at 240
agtagtatat gtttccctac tccctgttgc tcaacatgat tttatagctt ttaagtatct 300
ttaatatagt tttcaatctc agtttcttgg atcccttcct tgacttgctt taatcagtgc 360
tatcaggcac cgttggtgac aaagtagttg ctgaactgga gtcattgcggg ttccaatggt 420
tcatt 425

<210> 22386

<211> 333

<212> DNA

<213> Glycine max

<400> 22386

gcctttgcag gataacgcaa ggccttaacg cacctattca agcgccatat tgcgttctga 60
aaacctacat tattccaata acagcaa atg gagagcaaca cgatatccat aacaaggaaa 120
agcactggac ttgatctcaa ggtcaaaaat ctgaacaatc agcaatgcgt gaggagtatt 180

gcagtgagag agagagacct cgtttccaat ggagtgtgtg caatacacgt gggcacggcg 240
 ggaagtatgt gagagtgagg aaagaagagt ctcagcaacc accaaaaaca caagcaaata 300
 tgattaacat aacattgatg aagagcattt att 333

<210> 22387
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 22387

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 agaaaatatg cactgatat cttgaagaag tttgcaatgt ctgagagcaa acatgtgaaa 120
 agtccaattg ttccagggtt taaaattaat agagatgttg atggtgcagc tgtggatgac 180
 acttatttca agcaaattgt tggaaagctta atgtatctta caactacaag gccagatata 240
 atgtatagtg tgagcttaat tagcagatat aggtcaaac caatagagtt gcatttaca 300
 gctgctaaaa gaatattaag gtatttaaac ggaaccacta gctacgggat attctacaag 360
 aagggaagggg cagaagactt gtttgctttc acggatc 398

<210> 22388
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 22388

agcttgcaac atcagttaca tgaaaaactg tctttgcaga gacagagagg gaaagatgtg 60
 aaaacacagt tacctagggg aattttgcgg tctgctccga gtcaactaca ctagtttggc 120
 actaggtttg atgacatgtc aacgagttac ttacagaaat gatccaaca ttgaatcagc 180
 tcggctaagg gtctggtttc cgattcaacc agccgagccg agccgagttt aataaactg 240
 attgggaggg ttccttactt agtattgaaa atcttgcttt caatttgata gtaggtagta 300
 aagttcttct tcatggagta tgtctcatta atattctccc gcatttcaca aatggaggtg 360
 gaaaacatac aattacagct tattt 385

<210> 22389
 <211> 424

<212> DNA
<213> Glycine max

<400> 22389

tgtcgggttc aacttcaatt aagtgtctcg ggcatacctat ggactgtgcg aaaaggctca 60
ggtcatacaa tactacgcat cttttaaaagc acaaagcgag gatcagaacc tcaaccctac 120
gttcttttaa aagactgcga tgggaaaatt acagaggaca ggaatccctg ggggaaacca 180
agaagaacac acaaaaataa aaacatgcag cgacttcctt aattgcccc a gatctcaagc 240
atagtatcgc ttgacaacgt cagagtttac ggggtgaagg agctccttgt catccatgtt 300
ggcgagcacc agggcccctc cggagaaagc cctttttaca acgaaaggcc cttcgtagtt 360
cgggaccacac tttcctttgt tgtctttcag agcttgggag actttcttca gcaccaagtc 420
ccct 424

<210> 22390
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22390

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cactaaaata tgatttttgc gggccgagta attggaacca caaccttggc ccaaaactaa 120
ctgtatctat gaattagggg agtgcattta gcaactgcaa tgttgtgaag gcttttttga 180
gttttcttcc actgcaatct gaaaacattt ttcactctgc aacgcttctc tttatctcga 240
gctcttctcc acctttatth tgcaatgcat tagccgcatt ctttatgtag gagaatgtct 300
atggagaaaa tgagattaca ataataaaaa ataacagttt tatttgtgcc tcagtacact 360
cacaacagta aaagagccac tagctag 387

<210> 22391
<211> 423
<212> DNA
<213> Glycine max

<400> 22391

tcaggcttct gacctagcct tctcatgaa ataaagtata taatatttaa ctgttgccgg 60

tcaccttgaa aataacagag attttcttct cttgtcctt tcaaatacct gtttccaaat 120
 attaaaacca gtagaaatgt agaatccaga tttttttttt ttggtgacgt agaatccaga 180
 ttataatcaa actgtgtttg tagcctgctg taaaacttgc ttggagtagc cacattcaaa 240
 atagaagtga tcatttgttt caactgctcc atcacgggtt acatgttgaa tccatcaggc 300
 atgtaactga actgtgggat tgtttttgat gacttgaata tggtttttta tgttgataca 360
 agtttattta ttgttgaagc atgtatgtct ctgcattagt ttacgtatat cttgtatgat 420
 tac 423

<210> 22392
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22392

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 acaatagcat catttctggc actaaattgc tgggagttgg aagccatctt ctcaattaaa 120
 tttttggctt tagcaggggt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tgttactgag tccttcataa aaatattgga ggagaagctg ctgagaaatc 240
 tgggtggtgaa ggcaactggc acatagtttt taaatctctc ccaatattca tattggctct 300
 ctccactgag ttgcctaata cctganatat catttctaata ggccgtgggc ctggaagcag 360
 ggaaaatttt tt 372

<210> 22393
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 22393

ggacctatca atctcagcta gagatgcccg agtcttcata ccttgagatg atttgaagta 60
 ttggccatca gaattgccat tccttggatt atagggttga accgagctca tgctattaca 120
 ataaggttca tcaagtcagg ttgaaatatg gaagtaacca ttctgcaaac ttggggcaaa 180
 agatgaatcg agtcacatca ctgcttgggc tactgcccac catatttatg attatcgatg 240
 tccttgttac ttacagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa 300

ttgattcaac cccatatacct gcgtaaaaat tctcaataact attacatcat tcgcatgcat 360
ccatgctttt cattggtggc attgatcata tgattct 397

<210> 22394
<211> 373
<212> DNA
<213> Glycine max

<400> 22394
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accctacacc ctcgcaaatac tggttgtcga tgtagaggca tccatcggag gaagagacag 120
tgggtgcacag tgtcaggggt gagccaacag aggaggtgga aggaccgact tgatgaggag 180
gaagtcattg ttggagtcct agatttggag ggagagagaa agaggggaag gcgaaccact 240
tgtcatcgag gttgtcatgg aggtgagagg agggggcaag ggcaagaagg gttcggagta 300
gaaatagaga ctgcgaagg tagagaaaga gaaggaagag aggctaggat cgttggattt 360
gagagagaga gag 373

<210> 22395
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22395

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aaaaaaccag acactatcct acttttgcgt tcccttgctg tctctctctc tctctctctc 120
tctctctcta atccaacgat cctagcctat cttccttcgc tctctctacc gttcaccgcc 180
tctatatcta ctcggaaccc ttcattgcct agcgtacct cctctcacct ccatgacaac 240
ctcgatgaca agttgtacga cttgccctct ttctttctgc ctccaaatct aagactccga 300
caatgacttc ctctcatca agtcgggcct tccacctct ctattggctc aaccctgaca 360
ctgtgcacca ctgtctcttg catogatgga tgcctctaca tcgacgacca gattt 415

<210> 22396
<211> 230
<212> DNA

<213> Glycine max

<400> 22396

gggtatgatg tttaattaag acctctagag cctcaaaact tgttcctggc ccgaaagatt 60
atcatttgag gtaatataac tactgaccat aaacttatac tacgagaaat aagtgatacc 120
accttcaaaa gtcgaatctg atgttggaag gcaaatacat cccaataga atcgtccggt 180
accacagcct accagaacaa tatatggaat gtatagcgat aggatcatga 230

<210> 22397

<211> 196

<212> DNA

<213> Glycine max

<400> 22397

tacctcgtgc ttcatagcct tcaaaaatgc ctcttaacgc tcccaaaaat atcattgggt 60
gtgaactcca ctcaactagc aactgctgg agcaagaatg ttcactttct agccatcacg 120
atgggataac acacaaattc attgcgagga tccattatga ggagctcatt ttgaagaacc 180
tcatggatga aacta 196

<210> 22398

<211> 375

<212> DNA

<213> Glycine max

<400> 22398

agcttatatg aacaaaattg cctcaatcat ttccaaatat gcatgtgaat taccaagaat 60
caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaatg 120
attatgatga tggatggctc aaattctcac aaaggtaaac tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagaggaga atcaaggatt tcaagtcaca aaatgtcaag 240
aacttttatt ttcaaaacaa ttacccatctt cttgaacata tcctataatt caaagaaaaa 300
catgcaaagt cgttcatgca cacaaaattg acccaaaata ttaactaaa aatccgacga 360
aactaacaac attaa 375

<210> 22399

<211> 414

<212> DNA

<213> Glycine max

<400> 22399

tctaaatctc agatagaaga gagataatta tttatgttta attctaaatc ccccataaacc 60
agctttccac taatttccta cttatcatat gaagtagaag atagttaaac attttacgtt 120
tcacaaatat taaattaaat gcatctttta aatattttgt tacaagtata aggaggatta 180
atatgatatt gttttagata atttatacac ctactagtga agaaaattta agtaccttga 240
tttctatttt ctttattcta ttttcataga cggcggttgta cttatggctg gagggaaatt 300
gtgatggtga aatgtggaag agggagtgtg gtttaaaatt aagattcttt tcgcatataa 360
ttacatagag aaagttatga tatatcatga taaaatataa ttatatttta aact 414

<210> 22400

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22400

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cctattgaag aacttttcaa actataactc agacccaaac cggggtagta tacacagctc 120
agccgacacc tcaccagcca tgaacataga cacatagtcg ataccttaca taggaacaca 180
aacctatttg catggcagac atctgacata tcgggtatcc accccagcat tatatgccac 240
aagctcgcca tctgtctcca ggccaaatta gtgtcatagg agaagaggaa gatgggagaa 300
gaaagacgta gattggtcag agaggaagta gataagctcc ttatagccaa ttntatccga 360
gaagttaggt actccacttg 380

<210> 22401

<211> 409

<212> DNA

<213> Glycine max

<400> 22401

ttagacttat atctattctc aatatactac ttttaatgtt tcctagcatt tatgtagggtt 60
tttgatttct ggtgtctata gattttgtgt gaatgaatgg taaagcttaa aattttgaga 120
ctagctttac atagcataat aacaagctcc acacttcaag catgtacaca attcaactta 180

tgagtagttt agttgacggt gtctaggggtg caaaagtga actacttttcg caccctatga 240
aagtttgtgc aaaaaaaaaa aagcaattgg aaccgtccga ttagttttta ccatatcgaa 300
tagtgagat gtgttcattg ctaccggtag taaatggatc cctcgagttc tatgtcagct 360
ttcctcgaac cgcgattgaa ggtatggagc cctcgagttt ctgttctgc 409

<210> 22402
<211> 351
<212> DNA
<213> Glycine max

<400> 22402

tattttgatg agatatgcag cttcattcgg gcaatgataa atcatgtgtt tatgacttta 60
tgcattgtatt cataagtaaa gaatctagtt gaatgcaatt tcctcttata gcttattagt 120
tgtgagaatt agtcccttgc tctgattagt ttggactact ggatatactg gttcttttac 180
cctgcatgtt gtagcaacat gcaaagctct atctggtaga aagcctctaa tggctatgac 240
acttttctat atatttgtat taaatctttt tagggttatt gtggtggcag aggaggccta 300
cggtcattaa ttaagtctac tctttaacta taattagtgg ttcttggggg a 351

<210> 22403
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22403

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tctgagtgat ttcaatatgg agcagaatga tcgccc aaat atgtacgttg acaacaaagc 120
tttcatagct atttcccata atcctgtctt tcatgggaaa actaagcatt ctaatatcaa 180
gttgtccttt gttagagaag tacacaaaag tggacttggt aatcttgtct actgcaaaac 240
agataaccat gctgcagatc tgttaccaag ccattgccag ctatcaagtt tgagattctc 300
atacagaagt taggacattg gaaatcttaa agcactgaga agtgtaaga aactgctttt 360
ggactgcacg tggatcatta ttgtccacct 390

<210> 22404

<211> 311
 <212> DNA
 <213> Glycine max

<400> 22404

gacctataga atactacagc ttgagggatc atatTTTTcc actatttaca ctgctctttt 60
 tattgcacta catatgtgag cccactcacg ggtaaagggtt aagtttatca taatagcggt 120
 tataaagaac atgtgtaggg atccttagag gattaacttg cgatcaattt tgaaatgttc 180
 attgaattat aactcttctc ttatgattct aaatatgata ttattgtgtt tgatatacca 240
 attgatgtcc tgatgtgaat tagataattc aattgagtga tctcggtagt tctgcatttt 300
 gacctatgat t 311

<210> 22405
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22405

agcttttagct ctcagcttaa actcccttca caaaatctga tttcaggctt aaataggtgg 60
 ccttgttcgt gtcgtgcg c tttagcgcaat tctgaaccgc ttagcacaca ttagtgaatt 120
 tcgacttagc gcggtctttt ctcgctcaac ggatggactg aagcggtgcg cttagtgaga 180
 tgaagtgggtg ggcgacgca acctgtacaa ctcctccttt tccagattct tctcgcgct 240
 tagccaatga gtgttgcgct tagcggatgc tagctaagcc agcagattgg cttagcgaga 300
 aggtgaaaaa tagcactttt cagagttgca taattaacct gaaattgaga gaaaatgatt 360
 attaaacaca caaatggaa gtactaag 388

<210> 22406
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22406

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 atttacgttt agttttatga gaaatgcagt ttcattcggg caatgataaa ttatgtgttt 120
 atgactttat gcatgtattc ataagtaaag aatctagttt aatgcaattt cctcttatag 180

cttattagtt gtgtgaatta gtcccttttt ctgattagtt tggacttttg gatatagtgg 240
 ttcttttacc ctgcatgttg tagcaacatg caaagctcta tttggttgaa aacttctaata 300
 ggttatgaca cttttttatt tattgttatt aaattttttt aggggttattg tgggtggcaga 360
 ggaggcctat ggtcattaat taagtttact ttttaactnt aattagtgtt tcttgggggt 420
 gagac 425

<210> 22407
 <211> 304
 <212> DNA
 <213> Glycine max

<400> 22407

agctttaacc aaaacctgtg agagtgtgat cttaaactgt gatcgaacga cttgctatga 60
 gtaataatct ttgcatcaat ctcttaattt tagaatgaaa tgtataaatg aggacatgat 120
 ggaggccatg attgtgcata cacaagcctt ttgacccaaa agcttacctt gaatgataac 180
 tgtaccattt gcaccctttg tgagctgaat gatgttgtca ataattgaac cctgaaccta 240
 aatgattatc tccagatacc ttgcttagat tctaggagag catatgggtc aaggcaaatt 300
 cacc 304

<210> 22408
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22408

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 gcaaatattgt agctcctttt tcatttcagc ccaacaatag tttggttcgc ctgngccaaa 120
 gtgtggtagg gtgaagcatt aagctcgagg gttatttcga accagctaga attgtgttct 180
 ggctgggcca gagcttgaca gaaaggagaa ttctctccag gggttttggc ctgaccaaag 240
 ttgtgtttta gttgggctag actgtgacaa aatagagcat taaactccaa gagtgtttta 300
 gccatcaag aggttgtgtg attgggacat aaaagtgata gaagggtttt agccagacta 360
 gaatttggtc aattgggcca aaaatgtgat agaatgggta acttaagttt acaggagtta 420

t

421

<210> 22409
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22409

agctttgcct ttagggcttg tacctcatca ctttcttccg aagctttaac ctcacgtct 60
 ctcacagtct ttagatttgg gagccaatcc aatccttggtg ttcggactct cagccactta 120
 tgatagccgc cgatgatccc attactgctt ccctaagct ctctgtcctt tcttcacgcc 180
 gcatcccatg ccttgcggaac tcctttgagt accctcgctg tgtggtcacc gaaaccccg 240
 gcgatgaaag gcgtgatgct ttctgtctgat ggcaactctc tcatggggta gccaaagctgt 300
 cttatggcga ggacgagatt ataattaata caacccttg ttccatcaag ggaacatttg 360
 gacatccttc gcatgaagat agaatcct 388

<210> 22410
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22410

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 tcctcacgtt tggtttttta gggaaaacac cataactaaa cgcgccgcaa gggatcccta 120
 tcgcaccaga tccaaatcta gaacgatggg tgatcaagag gagacacagg aacagatgaa 180
 agccgacatg tcggctctga aagaacaaat ggctccatg atggaggcca tgtaggtat 240
 gaagcagctc atggagaaaa acgcggccac tgccgccgct gtcagttcgg ctgccgaagc 300
 agaccgact ctcttggaac ctacgcacca tcctcccca agcatagtag gacggggaag 360
 ggacgcactg gggcacgatg gcagccctca cctgngatac aaccgagcgg cttaccctta 420
 tgg 423

<210> 22411
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 22411

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agcttttggtc tttgcagatc ttcacacagc aaaatctctc aaaactcttt ggaacttaga 60
cctttctctc tctagaatca ctagacatgc aaagcttcag ctctcagccc aaactccctt 120
cacaaaatct gatttcaggc ttaaataaggc ggccttggtc gtgctcgtgc gcttagcgca 180
attctgaacc gcttagcgca cattagtga tttcggctta gcgcgtgctt ttctcgctta 240
acggatggac tgaagcggcg cgcttagtga gatgaagtgg tacgctcagt gaacctgtac 300
agttcatctt cttccaaatt cttcttcgcg cttagccaat cagtgttgcg cttagcggac 360
gctcgctaag ccagta 376

```

<210> 22412
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 22412

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tgcccaatgc ctctgtgttg cttccatctg ttggttatct gtcatttata agcactgac 60
tcaggctcga aatagccaat agtgggcaga tgtgcaaaca cccaaaacta taaaaaaaaa 120
acatgggtcaa aaaaattaat tacggtaata aagaaaaaac atagataatc acaattaaca 180
attatcttact taccatgact aatgacatgt aacctccaaa tgtcatgtaa cctccaacat 240
gtttgtctggt gtactagctc gcatatgaga gatggtcgta tgggtatgcc aatgcagaga 300
ctccccaagc ataccaatga caaccatcca agttgttgag gtagtggagg taggcaacat 360
ggatgtgagt cgaggacttg ttggcaaata tcatattacc aaccaagtgg aaaagataag 420
ttgtg 425

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<210> 22413
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22413

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agcttttgtg gccatgtata cactaaggct tagtgtttgt ttccccatt caatcaaccc 60
agtgtttcca aaagaatgct cttttatcat gtcacgcata catccaagtc tatttaggca 120

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ttcgggaaaa tctttcattg cgttcacccct tcagggcgac acattttgtt tttcaaaaac 180
 cttttttatg tcatgatccg tgaatttccc aaagaaaaca gaaagtcatt ctttttcaaa 240
 agtgtgttgg ctttttagnt ttcttttttg ttttcttttt taatttttag aaagagtttg 300
 taatctgagg aaaaaaaggc gtgtaaatga aaacaataca caaggcccta ttntttttct 360
 acttaagttt ttttttattc a 381

<210> 22414
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 22414

taacaataat aacaaaacaa tttatatgca gtttttataa cttgttactg aaattttagt 60
 tacataagta atagtgcga aaattactat tagtaactaa aaaaattaat gcattaatat 120
 ctcgtagtga tcctaagatt tattttttatt ttgtaattag ttttattaat ctagtaaaat 180
 tatattttta tccttaataa atatctaatt tttatatttt tttccttaat aaatttttat 240
 ttttatattga atttctgata aaaaattttt tttatcctag aacttttttt taactctaatt 300
 aaattagtta attgtatatt tatttttctaa taaaaaattt catttgttat tagtcgaaag 360
 taaaataaaa ttctctaatt tatcaaaaac taaaacaaaa tattaagac aaaaata 417

<210> 22415
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 22415

agctcgatag tttacttata gtcatccccg aaactcccca accttcggaa ggaacatcga 60
 gaatggtgac aagaagtacc tccaaattaa ttaatgttat taatgaaaat agtgacccaa 120
 actcaaaaaa cgctgtagaa gcaaagcttc atgatgaatc aagaatgatt caaagatgtc 180
 ttgatgataa caaagggtgat gacaaaaagc tcaaagggtca atcaaagaat gagttcaaga 240
 aagatagaat caagaaagaa tgagttcaag atgttcaaga tagaatcaag aacacttcaa 300
 gattcaagga tcaagcatcc aagaatcaag atcaagattc aagactcaag attcaagatt 360
 caagaatcaa gagaagact 379

<210> 22416
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 22416

tataagaaca aaattgcctc aatcatgttc aaatatttat gtgaataacg acgcatcaac 60
 aagaatcaag ccaaggetat tgcgctagca ctcaatgggg caaaacacac caaattatta 120
 tgaatatgga tggctcaaat tctcaciaag gtaagatcat cactttcaaa tcgagctatc 180
 aaaactatca tgacatgtag agaagaatca aggatttcaa gtcacataat gtcaagaact 240
 tttattttca aaacaattac ccatttcttg aacatatcct ataattcaaa gaagaacatg 300
 caaagtcgta cgtgcacaca atattgacct aaaatattaa actaaaaatc cgacgaagct 360
 aacaacatta acaaatcatc acatctaaca cattaacaaa accaacaatga ctatc 415

<210> 22417
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 22417

agctttcctg ttggatcaag tggcctcaga ataattaaga aggggggggtt gaattaatta 60
 ttaacgtgtc ttgactaatt aaaaatctat cattcttaat gttactagat tcaattaggc 120
 ttttactact aagtcaagaa agtaaagaac agaaatagaa acttaaccaa aagtaaaagc 180
 gataattaaa agtacgcagt ggaaattaaa gagtgtaggg aagaagaaga caaacacaag 240
 atttatacta gtttgaccac aaaccgtgcc tacatccagt ccccaagcaa cctgcggttc 300
 ttgagatttc tttcaacctt gtaaaatcct ttacaagcca aagatccaca tgggatgtac 360
 cctcccttgt tgatgc 376

<210> 22418
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 22418

tgtaagccc tttagcctgg ataagtgttg tccaggctac ttttgccgtg ttgtcccgag 60

tggacatgct tttggttttg taggggaggt gtgatgtgca agttgagggga cgtccatggt 120
tctaattgatt atgccctttt ctgattgttg gaggatgcat taaagacaaa cattacattt 180
tgtctttttgc tatagggtgtg tgcagcgcac acacaatact cttgtatatg tgtcactcat 240
ggagtgggca cgtactgaag acatgggtgca tgggtgagta ggggtgtgtc atggcgcgaa 300
gaattatagc atcatttttg ctactaccag ttactgaaga gtccgcctcc actttatatg 360
gaggggatgc ttgtattgca atcactgtca cttctaaatt t 401

<210> 22419
<211> 374
<212> DNA
<213> Glycine max

<400> 22419

agctttatct gtcattgctg tgatcctccg actgatccct agagtttata ccgtatcatc 60
attattagca ctttataact ttatgtttct tagcatttca gacttcatgc ctatggttat 120
ttaagctctg gtacatttta gtttttgta cattaccttt aaactattct gtttgaatgt 180
ttaggacttg gtactttcaa ttattattaa tctttctatg gtactactat attatttgtt 240
taggacttgg aactttaaat tatttgaagt cttgtgtatg gtttttctac tccttccttg 300
tctttgatgt tgccaaaggg ggagaaatag ctaaaaggta acgtgatctc tttgttgga 360
ttatttgaat atat 374

<210> 22420
<211> 410
<212> DNA
<213> Glycine max

<400> 22420

tgaacaaaa ctggtgagag tgtgatctta cactgtgtgt gaacgactag ctatgagtaa 60
taatctttgc atgaatctct gaattttaga atgaaatgta taaatgagga catgatgaag 120
gctatgattg tgcatatata agccttttga aaaaaagct taccttgaat tataattgta 180
tcctctgcac cctttatgag ctgaatgata ttgtcaaaaa tttgaaccct gaacttaaat 240
aattatctct agataccttg tttagattct aggagagcat atgggttcaag gaaaatttac 300
tccaactttg ggggagtgga actaatttgg atgcaaagaa agagataaag catcagcaca 360

cacaacacat aagttgtgtg ttaaaaaaag aagaaaagaa agcaaaaaag 410

<210> 22421
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22421

gcgaactatg aaactcaagc tgagtctgca tgcactttat ngattgttaa tgtattcctg 60
ttngttatatt ctacttaatt ctgcttaaca aaattaagtg tttgttagca tgacgaatag 120
tagatcgagt caaaagtcac acactaacat catctaatta cacatgtaat tagttattgt 180
tggtgaagtc acttctttta tataaagtgt ctgtgtctat atttttatta cacaaacttc 240
agtatttagt ttttttaatt ttaaagtgtt tttgaatttc tttactttta cttaatctcc 300
tattaaactc cattattttt aaaattattt aaatatctaa acaaaaatta gcctaaaaca 360
ctaaattctt ctcccagaat tatcatccaa ataaaactct cattatttta aaaaaaata 420
cccact 426

<210> 22422
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22422

aggtccgagn acgtgaccct ggaatgaatg atgcatngan angccggnga annagcccg 60
cgcgccggat acgtagagct gttcgnggc atttcaactgn attgtgggaa cccgnccagg 120
aggcactaag acgggaccgg gcgaacacac acataaccna cccattgac aaaagccagg 180
caaaagcatc caccatatcc caacaaacca ataccattag gcgagaaact acctcccga 240
aagagagaac aagaggcgca taaatctttg caccaaatg agtgagggtc caatcaggtg 300
ttacgaccct catacaatag ctaacaacgt caacggcatg ggcgaccaac catggagcgt 360
cctgccacc taagtgcggg atcccaatac agaaatttca gtttgacca agggagcacg 420
gtacgaacac tcggagcacg acaatacct ccccttgcg gacacg 466

<210> 22423

<211> 464
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22423

agaagaccnn nggtgancn ttgaaccttt gatgatctat ttgannncgn gaccttagaa 60
 acacagcngg ggcaacnctt attctcaatt ttaacagngt tcttgccaggg ggcgcggaga 120
 tccggaggaa gtttgaggac aactaacaga aaaacacgcc gctgagtgtg tcagtaagcc 180
 ccaggacaac tgaaagcacg cactcgaagg ctaagaagaa tctgacgaac atatggatgt 240
 tactgagcaa cggaggacat gaacatccga cgatgtcaaa tcagcaaccg caaatgactg 300
 aagatactga gggggtccgg ccacaatgaa tcttgagtga tatctagcga aatgccacac 360
 atcagagaat acacgggggtg gatcgacttc tcaacgtatt ttgagccaga aggctcatat 420
 atagccactg agaacttatg acaaatgagg atctaaaatg cacg 464

<210> 22424
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 22424

agcttcttgg aagaatcctt tcccactttt tcttccctt tggcctttga agacaaggcc 60
 ttaccatcct tctttttctt ttgggtttct agtttttctt cctcatcctt cttatctttc 120
 atagttatct gatctttggc tacctgtgaa ggtgtttaaa gatgcaaaac aaactctgtt 180
 ccaagatggg tgaggggtat ctcatagtt aggccattat agattatctt cctatgatat 240
 tgccatggcc tacctaagag aaggtgtcct gcctccataa gaactacatc acaaatcact 300
 tcatecttat atgttccaat ggagaacggc actttcactc tgtgattgac tatcatctcc 360
 ccttgctcat t 371

<210> 22425
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22425

ctcncgattg aacctttgan ntcgtgcatt gagcccttga agnccgcgan gtttngaaac 60
tacccttggg gtcactgggt tttgttgctg ctcattaaaa gatataattt aaacaaatga 120
ccggccgaaa cttattttct tgatgattaa ctgagggttac aacacatatg atctattgaa 180
ttttatttta atggcgatta aacgagatta ccacacaaac tatcgggtga atttcaatct 240
aacattgatt taacgtgaat aacacttaca tgatccatca aaactcgctt aaaacacaaa 300
aaaaaatcac ttatgggtga agaactaaca tgaagacatg cctagccagg gagggcacc 360
taagggtgat acaatgaaat caagggtgta aaataaaact taccggcaa agatccaaga 420
acgataaaga acggaccaag aatgggtcacc caattgtcgc caaaacatt 469

<210> 22426
<211> 143
<212> DNA
<213> Glycine max

<400> 22426
aggggggtgat gtttctatgt tggcttttgg ggcttggatg gtgtggatga tgtacaacta 60
ttgtacgact gagggaaaagc ttgcatcttg gaccccaagt ctctcattt ccttactttc 120
ttcatcccat agcaagttca ttg 143

<210> 22427
<211> 402
<212> DNA
<213> Glycine max

<400> 22427
tgcaactcggg agtgtttaga tatattttcca ccctattaac ttcagctacg aaagggtttta 60
ttgacaacga ctattcggga tagtgctcgt gttttttgtc ctagacaaaa tggtcactaa 120
gatttaattt ttagaaaata tgcatgtgtc ctatatgggc catgtctttt ctggtggaga 180
ttagatatat ggtatttgct tttttctttt aaagagagac gatataataa tatatttttt 240
aatacattta tttctaatac aatttttatt atttattaaa atttattaca aattataaaa 300
ctttgaacat tttacttctt atttaataaa caatactcat gattctgtaa tctgtaataa 360
attttaattg ataataaaaa tctgttttaa aagacacatg ta 402

<210> 22428

<211> 385
 <212> DNA
 <213> Glycine max

<400> 22428

agctttataa ggcgcggtttc tgtagacaaa ggtcaagcgt tcgcgatatg cgaagatgat 60
 atttcgagta ctttggattt ggtacgacta tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacgca actagcataa tgtaaaccctt tacggtttta 180
 aaagctctat agttgggcct aggctttaga gtttttcctt ttgttaaggc tttgtgtctt 240
 ttgtttttga atttataata caaggatcctt gcttcatctg ttcttgggtct ctacccattc 300
 tcattcattt gcatgtttac ttctttttct gaaacggcag atccgatgac gagtcccccg 360
 aaggtactaa tacctgggac ccgtc 385

<210> 22429
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22429

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 aactttcaaa gtaaatagacc gggtgaaact tatttttttg atgattaact gaggttacaa 120
 cacatatgat ctattgaatt ttattttaat ggcgattaaa cgagattaca acacaaacga 180
 tcggttgaat ttcattttta cattgattaa gtgtgattac aacttaaagt atcgatcaaa 240
 actcgcttaa aacaaagaaa aagatcactg atggtagaag aatgaagatg aagacatgca 300
 aagcaaggat ggaccctaa gggtgcatag aatgaattca aagcttcaaa atagaaaact 360
 aaccgggtcaa agatcgaaga acgataaaga acggacgaag aatggtcaca gaattgatca 420
 c 421

<210> 22430
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22430

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 tttgtatatt gagatcagct ctaacatagt tttaaactag tgaacaccaa tttcatgaaa 120
 accattttca gaatgctagt gttcatttca atttgtactt tgaaatagtg aacaccataa 180
 ttgtgtcgta cttgatcatt tacctcacca acaaccaagg cctctcacia gctaagggtg 240
 ctccgcacat taaggccett ctacagattaa tttctaccat ggctcttctt ctcttccacc 300
 tctttcttca atcatcaaca cctctttctc agattaattn tagccttntt ctttgttggt 360
 tttcaagttg gtttgttggt gattntatt 389

<210> 22431
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22431

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 tgaaatggga agtagtttgt ctctctaaga ggatgggggt ctaggaatca aagatatttc 120
 taaattcaat acagctctga tgggtagatg gatatgggct ttatcttcta atcataatca 180
 gctgtgggtt agaattctat tgtctaaata tgggtggatg tcagatctta gcagtgggag 240
 ggataaatcc tggcagtcct attggtggag ggaccttcca aagttatatc aacagcctga 300
 gttcagaatt atccagcagc agatgggtatg gaaggtggga ggaggggaaa aaataaaatt 360
 ctggacagat aattggttgg gggaagaata taaacttgaa cagcaattca atcagcta 418

<210> 22432
 <211> 388
 <212> DNA
 <213> Glycine max
 <400> 22432

agctttcttc actctctcct catttatgtc taagtgtgca taaaaaaact atgtctaagt 60
 gtaaatacaa ggtgggggtg taccctaacc tttgtatttt aagttatcta caacactatt 120
 tgccacacat tatagcgtaa tatgtcttcc ttgccaaaca tcttggcatg gtgttagtcg 180
 agtccgtgtt tgagtatgac aacatatgat gataacatcg ttgagcctct ttgacatttc 240
 aagaagggtg tgccctctga catatctaca tgtctgtgtg atttattgcc aacctatctt 300

gtaggtatt agaggtaggt atacttggat gagaatgaat gggcaatctc tatagaggtc 360
 atacattgta cttgtagact tgtcattg 388

<210> 22433
 <211> 423
 <212> DNA
 <213> Glycine max
 <400> 22433

cgaagattag taggagtgtc aaccactggg atcgatgtgc tttattattc atttgtcatt 60
 ggttgaatat tcaccactca aattagtagt tagtttgggtg gattgggtcat attgagaggg 120
 tttatccata tttgtgggtca attcacaaaa tccttatcct agttgtgatg acctctaaaa 180
 cttattttttt gattttctta tcgaggattt taaatcctaa gcaaagggtga tcatcatcga 240
 ggacgggtgtt tgacgaaaaa ttgtctgtgt tttaaagtta agaagttcca gaagaacaac 300
 ttagttgaat ggaattgatt attctctagc aatgaattaa gacacggaaa tacaatcatg 360
 caagctaata atcaacaatg taatttttca aaacttcatg tgcattgctc atggaaagaa 420
 aat 423

<210> 22434
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 22434

agtctataag aacaaaattg ccttaatcat ttccaaatat gcatgtgaat taggacgcat 60
 caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaaac acaccaaatg 120
 attataatga tggatgggtc aaattctcac aaaggtaaaa tcatcacttt caaattgagc 180
 tttcaaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
 aacttttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatt caaagaaaaa 300
 catgcaaagt cgtacgtgca cacgaaattg acccaaaata ttaactgaa aatccgacga 360
 aactaacaac attaacaat taacacaact a 391

<210> 22435
 <211> 402

<212> DNA
<213> Glycine max

<400> 22435

tgatttgtga catattgctt gacttgtttt atgattttac ttctttctgt gtggaggtta 60
aacattgttc atttgtagc ttctgtcata agtggtaag ccttagttat tgctgattca 120
ctaagtgttt gtgaaaagtc cttatagaag acaaattttg tgattcttct attttgttga 180
tgtaagctca tgtctgagat gattaagcat tgtttaagct tttgccatag atggtttagca 240
ttgaatcgtt gttttgcttt tgctcttgat ggtaagcat cattgcttct cccaagtgg 300
taaactttga agtctcgctt ctgcttggtg gctaaggctt gatagcttct tggattgatg 360
attagagctc ttgtcaaatg accttggtgc tgattcgctt ga 402

<210> 22436
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22436

ttctgtttga aaganaatta gtaattaatt aatataatta aagttagaaa ttaagtgggg 60
gataattaag gttgattaat gatgatttag atttcataga attataaagg ggtaattaag 120
gagtgaataa acattttaat tctgtcttt gtaccattt tgcaaatcaa tctttatctt 180
tttgaaatgt aaaaaatagt tcatatcttt acatccgata taaaaataag tccctactgt 240
taaaattcaa tttccactgt tagtcatata tctatgtgat aagtcttagt tcatgtaagc 300
aaacccatgt aacaagtatt tggactgaat tgaaaaatta tgatacgta agataaacia 360
atggacattg cg 372

<210> 22437
<211> 371
<212> DNA
<213> Glycine max

<400> 22437

tgtgcattgc aaattctgac cattgccac catgactcgc aagggaatag aggtgggtccg 60
gcatggaagg cgcaattgat tgacgagatc ctgttggtatg aagttgtggg tattgccact 120

gtccaccagt accacgacag ggtggccagc gagcaggccc aataaacgca aagtctctgg 180
 gggcaagatg acccgctaag gagtttagac ttatttgggt cgggcccggg tcaagaggct 240
 ccacaggatc aagcgggtca ggaggcgggt tagttggcac tatatgagga gggggttctc 300
 gtcttcgtcc atgattagca gaaaaaccct agaggcaca tggtggcctc tatggtattt 360
 ctcgttgcag c 371

<210> 22438
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 22438

agttttgcag atttggtcgt cgccagtgaaggatcgatg tgggtctgaa aaaaaaaaaa 60
 aaaaaaatag aacgcaaatt tgatcatcct actaggacga ctgataaaac tgggggcaaat 120
 aaagaggggtg aggataaagg agaaacccat gctgtgactg ccattcctgt acgaccaagt 180
 ttcccaccaa cccaacaatg tcattactca gccataaaca aacottgtcc ttaccaccca 240
 cccaagtatc cacaaggcc atccctaaat ctacaaaaa gtctgtctac cgcactttca 300
 atgacgaaca ccaccttag cacaaaccaa aaacaccaac tgtcgcaacc tacccttcgg 360
 c 361

<210> 22439
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22439

acctagcaag actcacgctg gaatcatcta cccgatttct gacggttatt gggcgattcc 60
 agaccaaattg gtcctaaga tgataggact gacagagacc aagaatgaag aggatgaact 120
 gatgcccaca acagagcaga acaattggcg agtatgcatt gggcatagga ggctgaattc 180
 agcaaccaca atagatcatt ttcccttgcc ttccatggat caaaggctng accgcttggc 240
 aggtcaatct cattactgct ttctcgatgg attttatggc tgttggcaaa ttcatattgc 300
 tcttgacgat ctgagaaaga ccacattcac ctgtccctta ggcactattg cctatatgag 360
 gatgccctac aacctatgca at 382

<210> 22440
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 22440

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 ataatacttg ggaggaagcc taaagaggcc ttaagaaaga atacttgaag ggaagcctgg 120
 agaggctttg tgaaagaata cttggaggaa gcctagagag gctttagaaa agaatactct 180
 agtgaagcct aaaaaggctt tttgaaagta atcttctagt ggagcctata gaggcttaga 240
 gaatattggt tgtaggagct tgtgtagact ttaggaaaga aagaatacca caattgggtg 300
 cttggTTTTT gtggaaaaag cctatagggtg taggaactag atgtagctca ggttgggggtg 360
 aaccatgtat aattccttgg tgtgattggt cccttcttta ttgcttcttg gttatattta 420
 tt 422

<210> 22441
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22441

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 ttaacactat tttggatttc ttttcattat gtttcacctg tctactaact aaaatagcat 120
 accccaatca tacttttctt tgataccctt tgaaattacc aacttctaata tttatggttt 180
 gcagcatttg tagattgtaa aattgcaatg atttcctact tctaatttct gtcatgcccc 240
 tttggagata ctcaagcaaa aagtgatatt accttgtaaa actatacaag ttcataattt 300
 aatagcccta atacatttca ttctggactc ttaaactctca naacatagag attccctggg 360
 tctgtattaa gtccat 376

<210> 22442
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 22442

tataagaacg aaattgccta aatcatttcc aaatatgtat gtgaattatg aagtatcaac 60
aagaatcaag ccaaggctat tgtgcaagca atcaatgggg caaaacacac caaaagatta 120
tgatgatgga tggcttgaat tctcaciaag gtaaacttat cactttcaaa ttgagctttc 180
gaaactatca tgacatgtaa aggaaaaaca aggatttcaa gtcacaaaat gtcaagagac 240
ttttattttc agaacaatta cccattactt gaacatatcc tataattcaa agacaaacat 300
gcaaatttaa cacaacaaaa ctaacaaaat taaactaaaa cccaacaaaa ctaacaaaat 360
taaactaatt taacacaact aacaaaatca aaaccaaaga acacactccc ccccat 416

<210> 22443

<211> 412

<212> DNA

<213> Glycine max

<400> 22443

tctcaaccgc cttgtctctg tgccttcttc caccactccc aacccccactc tagtccctcg 60
ccactccacc tctgttctctg cacaatccg atatgcccc tcaccgtatg aggatcctgt 120
cgggtgccttg ttcaaactca ctcacacggg ttcagtgcta acatacctga aggagtctga 180
agacttggct aatagaatta tcggcttgcc gaccccccttc ctgttgctt gcttcatttc 240
gggtttgaca tcggagatgc gccgcacagt ccagggtccac cagcctatga ctgtggacaa 300
ggccgcccgc cttgcgaaga tctaggagca gaagctatcg aaccttcgtc tgcctccacc 360
ggggctgcca ccccaccgtt ggtagctcca ccgccagccc ctttggttcc cc 412

<210> 22444

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22444

tatgtcttct aatacggatc cataagaccg gcttagagtg acatgctttt aagacacgac 60
ttgcttaaata ggaactcgac ttgcatgttg ctaagatggg attgcggaca gcatgataga 120
aggacgaccg ttctagcatt gggtgcgcaa aatcggcgga gaatagtgat atttatttac 180
cgacatctca tcatagttct ttctaact attatttatc aatcgactgg gaagcgacct 240

cgtaaataac actgatctag cagagagtaa agggaatagc tacacataac tctgaatcat 300
agagtccttc ccatagctcg tatgaactag ttatatgacg ctaaagccgn gatggacctt 360
actacagtat c 371

<210> 22445
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22445

ttattatgcc ctctctccct cggcggggat ttctttcttct gcgaaggcga gatagttggt 60
ggcagtgata ttattgacca gccctccgaa accttctacc gagatatctt gggccacgtg 120
ggcctcgttc aaaaccttca ctagcagagc ccgatgaggc tcggagctca tgagtaactc 180
caacagcgag accctggcgc gggttttggt gagctgttcg ataaccttga attcgctctg 240
ctgaattata cggaggaact cgctggcttc ctctagtcat acctcctttn taccatcctt 300
tttctccgga agaccttttg ccggaatata tttattcgaa gcatgggggtg cttcgccatc 360
ttgttctctc accactttcc cttttccctt gacgttcgcg gg 402

<210> 22446
<211> 369
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22446

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cgcttaaatg aacaagactt tgctgttggt attgtcttaa taattactcc atgattggcg 120
gccgattgct aatgctattg ttgggttaaga tttgtggaag tggaggaatc tttagctcgt 180
caactaccaa aggtaaataa caactttggt atataccagt cctctgggaa gtgaacttaa 240
atctagcact gattcttctt atagttcatg atctatttac tttctcctct gatactttgc 300
ttcactcttt tgtaacgttt gtttaattta tatgatgcta agtgcagttt gtgtgtaaca 360
acactaacc 369

<210> 22447
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 22447

tgtacgcaca tegtacacgt gtattatatc cactccttat ggtttgaagt agaggagagc 60
 ttcaacccta taatgcaacg tggcggacaa aagtgggcag taaacttgaa tggtcgtcat 120
 tgtcaatgcy gaaggatttc tgcgcttcac tatccatgtt cacacattat tgcagcttgt 180
 ggttacgtga gcatgaacta ctaccaatat atagatgttg tttatacaaa cgagcacatc 240
 ttaaaagctt actccgcaca atgggtggcct cttgggaatg aagcggctat tctccttct 300
 gatgacgcat ggacacttat ccctgaccca actacaattc gtgcgaaagg tcgccccaaa 360
 tcaacaagga taagaaatga gatggattgt gtcgaacctat ctg 403

<210> 22448
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 22448

gagggacctt cacactgcct atactctgac gtacacggac ctactcctgc ctggacacag 60
 gctgggttagc tgagggctta tggatctatt ttccatcata gcttggatgc tactgtgatg 120
 tgatgccccg agtgagcact atctggacgg gtgtcttagc gatcacttcg atttgcttgc 180
 aatgcagagg accgttccac accactgtca gaaacattat tctgacatgc aaacataaga 240
 caatgtgcac gtcagaaaca ctagacagta gacacagaac tggaccttta tta 293

<210> 22449
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 22449

tttgatcttg caagctaaat tagacgtgtc aggtgggtata tgtccttata tatgacgatt 60
 ctgccctttt ctgatcgttg gaggatgcat tgaagacaaa tgtttcattt tgtcttttgc 120
 tacaggcgag tgcaacacac acgtattact cttgcatatg tgtcactcat ggagtgggcy 180
 tgtactgaag attcaatacg tgggtgagtg gagttgcatc atggtttaaa aaattaaggc 240

accattttcag cttatgcaag ttaccgaaaa gtcacgcctc tacttttaa at ggagtgaaag 300
 tttgattttt tatcgtcacc attttcgaat ttctgctttc tctggataca agtgtagcaa 360
 catttaaaat gtttgatcga tatgttcac aactttctaaa tag 403

<210> 22450
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22450

aggtgtatga tgatcntaga cgncaccaca tataactaagc gccgtccgca gatccctcaa 60
 gtgagactag actcagcttt agttttctcac caacgcttag cctaatagag ggtaggcttc 120
 atccgcagat gcctcctgtc cgactaggcc tatactcaat agccctattg gaactacgat 180
 aagtctacca aaacttaacc cgcagattcc tcatgtaaga ttaagcttag atactggcttc 240
 ggtcaagatc taaggctaca gtacatttcc caatgctaaa gtcacctaac tgtgcataca 300
 aatgagtgat cagacaaaa gcatactaac actaaacatt gaaggaagca ttgaacactc 360
 aacacacgat caattagata ttaagtattt acatcaactg ctcataagaa ataccctaact 420
 aggggtgggta gctaggggatt acaaagagac cctaaacaca tgagatttaa agcacgct 478

<210> 22451
 <211> 475
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22451

gggcgcttga tagtcgttga cggcgcacaa ttacaaacn ccgcggggga tcgaaaaaca 60
 ggatgcccaa gcgccattan gttgttggtt tatcaattgg acgccaggag ggggtatatg 120
 accatacctc aactgcttca gtatggactc atccatattc tcacattaca atgcatggag 180
 gcgccacat ggcataaata gaggaaatac tntattagga gccaatgtga tagaaaatat 240
 ttggcccttt cttttatgaa tgatattaca tttatcataa tcaaagatga ctatataatt 300
 tttatgaata agctgaccaa cacttaaaag attttgagta agacctgaca cataaaaaac 360
 atactggata tattgcttgc taccattttg agttataaca gcaatgggtgc ctcttccttc 420

aactgtttga acatttgcac caccgagtgt aacttcgaat ttattgtcgc attcc 475

<210> 22452
 <211> 337
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22452

agcttgtaga ttctaagcac cttgtgagca tgggaactta tacggcttga ctggctcaaa 60
 gccaatgata atactaccaa cgacactatg gatacatcgc atcaaattggc ttcccatagg 120
 tcttgcagtg gataatgaca gggtttacaa gcataacctt tgctaatacct atagccttct 180
 gcaatgcata atcacttggg gcaactgaata catgttttat gtcagtgcca ataccaaggg 240
 caggggtggc accaactg gggactgcat gggtcaccat ggtcagcatt tctggagcgt 300
 tttactgtat gcaagtgan c ttgcatgttc tctcatc 337

<210> 22453
 <211> 481
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22453

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 nggnacacac cttntgagac ttgttttttt attttcacac gcattttactg cacagtatgt 120
 tgggtatattt ctatttnggg aaaacaaaca cctanaatca tactaaacat gaaacaaact 180
 tgtgcattct aatcctatgt tcttgtcatt tgagaagata ttattgatgt aaagaatgag 240
 tgtgaaatcg ctgataagag aaggaattcc cctttttgtg taagaaacta tcattctttg 300
 cttttaatca catttatagt taaggtttct tatgcatggc tgtctaaaca ccctagttgg 360
 ggattttctaa tgaacaattg atgtaaattc atatatctat tgaatgtggt tatgtgttca 420
 agctgattca nagcttatgt tagttgcttt ggttggatag ccattgggtgc acattagggg 480
 g 481

<210> 22454
 <211> 399

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22454

 agcttttgaa atttatcttt atcactggta atcaattaca gganactggt aattgattac 60
 cagagagtaa atactctggt aacttaaaaa attttgagat aactcttttg aaaaacaaaa 120
 ctgtgctatg tttggttttt gaaaaatcct tttcaatact taccttgtga agtcttcttg 180
 atttcttctc ttgaatcttg aattcatctt ctcttgaatc ttgaaatcaa cttctcttga 240
 attcttgaat cttcttgatn tcttctcatg aatcttgaaa ttaatcttga tcttcaactt 300
 gttgactcaa tcttgaaatc attcttttgg gcttttttca tcatcaaac tacttgattc 360
 atacttgaat catcatcatg aaacttgctt ctacacgat 399

<210> 22455
 <211> 461
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22455

 aggggatgtc tagacatgac accattatta acacggcccc tgcactgtga actaataata 60
 gttgttgatt ctgttgtgct caaagtctgt ggatgagagc aacaacttga agactttgga 120
 gtaaacccttg atcacattcc tctaaaatgt gacaacacaa gtgcgatcaa cctaaaaaaaa 180
 aaccttgtca tgcattctag gactaaacac atagagataa ggcattatct tcttagaaat 240
 catgtgttaa aagggtgattg ttgtattgag ttcattgata gtgagcatca actagcagat 300
 attttcacta aacctcttgc tagagatagg ttctttttca ttagaaatga actacgcata 360
 ttacatgcat ctagcataga atgatattct gtttgcacag tgtgtgtgat tgacattgct 420
 actcatataa tatctttttg tttagtctgt gtcacaagtt n 461

<210> 22456
 <211> 472
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22456

cggcgcttta tgagtcgttg actccggacc tatgaaactc cgctgatgac cctggacggc 60
aatcaatggt attagtgngt ggatatacaa tgctaacaag aagtaggatt taatagttaa 120
aggaaaatgg cacgaaatgt aatttcacca ttattcaatt tataattctg aaaggccaac 180
cattagttca ttacaaagta attacatggt ttccgtaac aagaaagttg cttgggtcca 240
acagattttg tggtagagtc attccatcat acagcttgcg ggctacaaaa ataaaaacaaa 300
agctttcaac ccacaaacat catcaatcac aacaatctaa caatttagtg tcattcattg 360
aacatcaaac gaatacatc ctcagaccaa caccaactat gccaacgta aacgcaaagg 420
tcaaaaaggg aggcaaagg tactataaac acatatctca ttgaggagag tg 472

<210> 22457
<211> 385
<212> DNA
<213> Glycine max

<400> 22457
agcttcttat aagctgttcc attttatcaa tagacacatg ttgagtttta ttcagaaaat 60
tagagtttat ctcttttctc ttagtgagag tgattctcct aaattcttga gtgattcaag 120
aacaccttgg ctgtatcaaa ggactttcac aacctttgtg tgttgccctc gctggaaaga 180
gtgattcttt ccttcctttc atcatcacc ttgttctttc aaaccacaat tccagataat 240
ccacctctgc ccagaattat ctctgtggcca taacttccat ttacgcact ctaattaagt 300
gattcttgag cctaaattga acttcaaacg agacctttca cctcgttctg gaatcacctc 360
atttgagacc ctgtagcttc agtta 385

<210> 22458
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22458

acacatagaa tactaagctt ctattaagct gaaccattga tcaataattt caagttgagt 60
tttattcaaa gagtagagaa tatctctttt gtcttagaga cagtgatact actaaattct 120
ggagcgattc aaaaacaccc tggctgataa gaagacttac caatctttgt gtgtagccct 180
cgctggaaag agtgattcat tacttccttt catctatacc ctggttcttt ctaaccacaa 240

ttccagagaa tccacctctg cccagaatta tctcgtggcc ataactcccg ttttacgcac 300
tcaaattaag tgattcttga gccttaattg aatttcanaa cgaaacactt cacctcgttt 360
aggaatcacc tcatttgagg ccctggagct caagtattgc catctctata 410

<210> 22459
<211> 538
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22459

aaagggggccg acaagcacgg aacgagaaac aacaggaggg agaaaaaacac caaaaaaaaa 60
aaggagaatt gagcgctgag ccctgacacc naggcgaanc nnacgcgac ccgggaacca 120
cagagccgcc ggcaggcttg caagcttgct aggggcagag agaagggaca ccgggacaca 180
acagaacaca caccgggaac aaggccacgc caaagaaaaa cacaggagcc aaaaggccca 240
gcacgggaaa aaaggccgag aagcaccgaa gaggagcaac cngnagcaga gacaccaacc 300
gcgacggaag ccaaggaccg cgagcgggcc caccaaaaag gcaggcngaa caccgagng 360
ggggagcccc aaagaacaac cgacggaaac acaaaacaac caagagaaag cgcaggacgc 420
aancaaagcc gcaaacaaag cggaagagc gacagcccag ggccgaacac ccagacggg 480
ggcacacgag gcgacgaagc anggagaaag gaacggaagc caagacaacg aacaaacc 538

<210> 22460
<211> 330
<212> DNA
<213> Glycine max
<400> 22460

gctcaagatc acaatattca aaatcacctt caacagaatg ctcaaatgc acagaatgac 60
caggatgcac actacgccta actaatctat gaaaggttct atctatttca ggatcaaagg 120
gttcgaaatc acctggattg ccctagtcta tgcactatac gcagcaaaaa atgtgtgtct 180
cagcaaacac ctaacagggg gtaaaactac agctatactc aaacgatatc aaaatgagct 240
gatatattgt gaggaacacc ctaaaatcat gacaagatag ccataaatt ttcatacaaa 300
aattcaaaat ctaactatga gaactaccta 330

<210> 22461
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 22461

tttgcaagct tctttcgaat ttcattagt actgattgct acatcgttct tcattcatcg 60
 accaattagt ttttatttta aagttttgaa tttgctctat gcacctttag gggtcctttt 120
 tgttgatttg tacatcatca tctatattct tctaccatta gtggtctcat ttctttgtgt 180
 aaagcgagtt ttgaccgatc gtttgtgcc taatctcact ttatcattgt aaaataaaaa 240
 ttcgaccgat cgtttgtgcc gtaatctcgg tatgtcaatg taaaataaaa tttaaccggt 300
 catttacttt gcagttgtct tttgtgagat tgaagtatat aagtgaacc 350

<210> 22462
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22462

taaagtatgc ctgagtaatt catccctatg atatgctttc tatgtattgg cgancanaat 60
 cgccatgcct tggattatag ggatgaacca agctcacgct tttacaaaaa ggttcatcaa 120
 gtcaagttga aatatgcgta gtaaccgtct tgcaaaattg cggcaaaaga tgaatcgagt 180
 cacatcactg cttcgtctac tggccaacat atttacgatt actgatgtgc ttgttactta 240
 cagcttcacc ttgacaaaaga tgtgatggac cactgggaaa aactatatag attcaacccc 300
 atatcttgcg gacagatgcc cagtactata actgcacatc attcgcacgc gttcatgctc 360
 ttcattgggt gcaatgctcg tgcattcttc cttgaaaaaa gataaatgac 410

<210> 22463
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 22463

agcttttatac acacaaaata ggagaaagct ttatacgga aaaaaagaag ctttaatgggt 60
 aattagagtt caactcttaa aataagataa cgcacctaaa ttttatcctt tctaaacagt 120

tgcaggctcgg agtagataaa ttggacaaaa atttagacat tggctcaatg gctccattta 180
cccattaatg atgctaataa tacaagttgc ttcttgaagc cttgttttct atgaattcgt 240
gggcataatct ataatctata tgcacattaa tcgaagcata tacaagaatt ctaaatagag 300
taaactacta ttccctgaat gtagcaagtg gaactggtag ctccctgaatg tactaaagaa 360
agtacg 366

<210> 22464
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22464

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aagaagagat tgcatagaaga gaggggtcacg cataaagaag ccattaaact tggttcgtgat 120
gcagctaata atagtttaca agctgggttta attcctatctt ttaagacatt ggagagtttc 180
acttcagagg tgggtgaaagc tcatgaacaa gtcaggcttc aaagtgctgg ggactcgtag 240
agattccagc tattttgggtt cttttgaggt catagtgtat gcatttacta gtgtggattg 300
attggggggag tttagagagt acatggaaga tttagaacta acccaccagt tttgcagcta 360
gagtttagtct tattatgtag gaaaggacct cttgaattac cctaaagagg ttttcttgga 420
acatgt 426

<210> 22465
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22465

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tcatgcacaa gtttatgaga cagcgatgca aaacaagaca tagactggct gggttcaaga 120
tagtagaggc ctctagattc atgtcctatg ccaatcaact gaccacgttc ttgtacaaca 180
aaggaatcaa catcaaagt tatagaacaa tttaatgatt ttgttagttg actaagagaa 240
actaagttga aaggacaatt angaacaaaa agaactggat ccaagttaa agaagaagaa 300

tgaagacttt gccgactcct ttagaggtga ctttggtgcc atttgctang gtgatcagat 360
gaaagaaatt tggaggagac agaggtgagt acag 394

<210> 22466
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22466

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gctcagaggt caagaacact tcatgataac aaagatgatg atctcaagaa tcaaagatga 120
gttcaagatt gaatcaagaa cacttcaaag ttcaaagagg aagtttgatt tcaagaatca 180
agaatcaagt ttcaagattc aagttccaag aatcaagatc aagattcaag actcaagaat 240
caagaaaaga cttaatacaag ataagtatta aaaagggttt tcaaaaactg agtagcacat 300
gaatntttct canaaccttt taccaaagag tntttactct ntggtaatcg attaccagta 360
gcaaaatggt tttcaaaagc tttcactgaa ttacaacgt 399

<210> 22467
<211> 389
<212> DNA
<213> Glycine max

<400> 22467

agttttactgc ttgcatgcaa gcttgctcgcg tcaaattgatt gtttctggag aacaggatgg 60
atatatacaa gaggtcagca ttctgtagct tttctgtata atggtttgct ctctatctcg 120
gcatgttgtc tgcattattc tcaattgatt atatttcaat tagcactaaa atcttctatt 180
atcttattta gagtatattg catttcataa atctctcctg caggtcagggt ggtcttagat 240
gcaccattgc gcctcagaag tccgcaaagt tgtcaaattt tatgcgttaa accacttgct 300
gtttctgcta gatcttgctc tcaatttggt atgaaaggat tcaatttttt gctgtctaac 360
tcgacgtaaa tctctatacg cttgatgat 389

<210> 22468
<211> 429
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22468

tggtctgtgcc ttatgcttct gctctcattc tctattctat tctgaaatcc tccaatgtac 60
aaggattggg ggacatatac acccaatgct tgatgcaaga tctttatcat ggttggggcca 120
aaatcccaca tcttagctct ccaccctaaa gatttcatat gactgaccaa aactaatctg 180
gctagtgggt ggaaattact ttttctactg ctcttgattt tctttatttc atgcattaat 240
gtttgtcatc ttcaactttg gcatgtgatg ccaaattgga ctggatccac aagattatcc 300
tgngtttaat tgtgcaaaat tatccttaga tttttttata gacatctgga agcaatttat 360
atatttttaga atgatgggtg tcttactgag gaagacaatg aaaattccag tcttccatta 420
atggttttac 429

<210> 22469

<211> 407

<212> DNA

<213> Glycine max

<400> 22469

agcttcgtcc tctgatccct cttgttggac tgggctcaat ttagacagcc cttctaagtt 60
tagattaact taacctaaagc ttcacctca gatgcctctt attggactag acttagctta 120
aatagcttac gaaagttttg cctaatttag cctaagcttt gtcctcagaa ccctcttggt 180
ggactagact tagaccaaac aacattattg taatagcata cttaaaacca aaacttaatc 240
cgcagattcc tcttataaga ctaagttcta attctgcttc attcaagttc taaggcaaca 300
atacattttc caatgttaaa atcacctatc taggcacaca aatggttgat cagaccaaga 360
gcatacaata tttaagcatt gtaagaagca ttgaacacaa gatacac 407

<210> 22470

<211> 432

<212> DNA

<213> Glycine max

<400> 22470

tgtcaatggt tgaaatttct tctttgggtg tgaagaatta attattatgg gtttagtgaa 60
gttggaatgt tctaactagc ttgttgtgca attgtttcct tgcacctaca aagtaatggt 120

tgaatgtatg cgtttaggaa cccattaaga taatgttttc ttgtttatgc tccctagtgt 180
tctctgtctt ttcttctttg gtgttgaaga agttagtatt aagggttttag tgaagttgga 240
atgtttctaac ttgtttgtgga attgttgact tgccctaaga atcaatttga cttgcgctta 300
gcttgttgga aacttcaatc agtagataga ttcaaacttc ttgtttgaag tatttcttca 360
gcctgttgca tgtgttactt ggagtacaaa aagtacaact attgacatga actttgaata 420
agagtttagct tc 432

<210> 22471
<211> 409
<212> DNA
<213> Glycine max

<400> 22471

agcttatgct gcttatattht acaatagacc tcctcaaact cagcagcaaa atcaaccaca 60
acagagcaat tatgtcctct ccagcaacag atacaaccct ggatggagga atcacctaa 120
cctcagatgg tccagcccta agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tggttgccca agcagaccat acattctctc accaatccaa caacagcaac aacccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaagac 300
tatgcagaac atgcagtttc agcaagagac cagagcctcc attcagagct taaccaatca 360
gatgggacaa ttggctaccc aattgaatca acaacagtcc cagaattct 409

<210> 22472
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22472

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ncatgctcat gctcttagca taattctgaa ccgcttagcg cgcattagtg aattttggct 120
tagcggggct tttctcgctc agcggatgga ctgaagcggg gcgcttagcg ggatgaccat 180
tcgctcagtg aatatgcata gctcatcctc cttccagatt cttcctcatg ctcagccgag 240
aagtgttgcg cttagcggat gtctccctaa gccagaagat tggcttagcg agagggtgaa 300

aatcaacact tcaaaacttg cctaattaac ctgaaattga gagaaaaatt attattaaac 360
acacaaaaat ggaagtacta agtatattatt acctaccttt aacanaaagt aattacaaca 420
ctacaaaata cc 432

<210> 22473
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22473

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aaaactcaaa agtcaagaac acttcatgat aacaaagatg atgatctcaa gaatcaaaga 120
atgagttcaa gattgaatca agaacacttc aagggttcaaa aggaaatttg atttcaagaa 180
tcaagaatca agtttcaaga ttcaagacta aagattcaag aatcaagaga agactcaatc 240
aagataagta ttaaaaagtt ttttcagaaa ctgagtagca catgaatttt tctcaaaaac 300
cttttaccga agagttttta ctctctggta atcgattacc agatgggttat aatcgattac 360
tagtagcaga atgggttttca aaagtcttc 389

<210> 22474
<211> 437
<212> DNA
<213> Glycine max
<400> 22474

atctccagca tagtcaacat cacagtagct tgtgagtcca aaatctttcc ttctttttaa 60
gcatagacca aggttataag ttccaataag atatctaaaa atgcatttaa taacagataa 120
aaggactttc cttgggttctt tttgaaacct tgcacataag taaacactaa acattatata 180
aggcctatac gctataaggt ataacaatga tccaatcatt gctatttatt gggttttgtc 240
caactttttt agattcttcg tccaacccta agtatctagt tggatgtata ggtgtctcca 300
tttcttttgc attgtccacg ttgaacatat ttagaagttc tttcatatac ttgggtgatgc 360
aatcctaccc cgcaaggcca ttgggtagaa gacttccagt aaattggcta gagatccaat 420
ggaacgccct atgggttt 437

<210> 22475
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 22475

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 ttgcatcaaa tggagaatag agatcataat gaacaggaaa ggaagagaaa agggaatgat 120
 ggtgttccta gacaaaaccg aattgatggg attaaactca acattcctcc atttaaagga 180
 aagaatgata cggaggccta cttggagtgg gagatgaaaa tagagcatgt tctctcatgc 240
 aacaactatg aggaggacca aaagggtgaag cttgccgcca cggaagtttc cgactatgct 300
 cttgtgtggg ggaacaagct acaaaaggag agagcaagaa acgaagagcc atgggtg 357

<210> 22476
 <211> 455
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22476

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 ttcataattct atcatataag aattgccagg gaagtggatc ttttatacca ttgtattggc 120
 taatacattt gcattttgag tatgttattg acatccgtgc ttacatatta tgacttaata 180
 tttttgtgct atttgtcatt tgacatgcta aaggttatat cagcaacagt agcaagtgat 240
 ccacagaaat attgtgaagc atttcttggg aaaccaaacg ctgagtattg taactggatt 300
 cttgactcgg agaagtgggg aggttagttg gcctatgncc ttctaataca aggctatttt 360
 aaataaaatt tttaatggaa ataaatacca ttttctctgc tgcaattgga acactacttt 420
 ggtgttactg ggtgaatgta tgaatgtcaa tcctt 455

<210> 22477
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22477

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aatgattttca agattgagta agaatgattt caagattgag tcaacaagtt caagatcaaa 120
 ttttaatttca agttttcatga gaagaaatca agaagattca agaatcaaga gaagtttgat 180
 ttcaagattc aagagaagat gaattcaaga ttcaagagaa gaaatcaaga agacttcaca 240
 aggggaagtat tgaaaagatt tttcaaaaaa ccaacatagc acagttttgt tttccaaaag 300
 agttttttttc anaatcttct aagttaccag agtttttact ctctggtaat cgattaccag 360
 tttcctgtaa tcgatta 377

<210> 22478
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22478

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 agataagtat gaaaaagttt tttcaaaaac tgagtagcac atggattttt ctcaaaacct 120
 ttttaccaa gagttttttac tctctggtaa tcgattacca gactattgta atcgataacc 180
 agtagcaaaa tggatttgaa aaagtttttc aactaaattt acaacgttcc aattgatttc 240
 aaaaagctgt aatcgattac aatgtttttg taatcgatta ccagtgcctt tgaaagttga 300
 aattcaaatt caaatgtgaa gagtcacatc ctttcacata aaatntttgt gtaatcgatt 360
 aactgattt ggtaatcgat tacttgatgat tgtttatgat taaatcaaaa gatgtaactc 420
 ttc 423

<210> 22479
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22479

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 tgttctgaaa gtacgaacca aaacataaga tcaccagtg aggtaaaagc gtcaagctaa 120
 tgacgctaaa gaagcgtttc ctgagaggca acccagtcct aaattctgtt atctttgttg 180
 tctttcatgc aattaaatca tctaaaacat gctatatagt ctgtacatag tagtatatct 240

gccaatcttt ggatgtttta cataaggggt tcaatttctt ggaaaaagga gtgaaaataa 300
 cttataaaaa tattttctga aaaacagtcc ttctgctaag cgcatgcctc gcactaaaag 360
 catctc 366

<210> 22480
 <211> 342
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22480

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 agctctgttt gtactcggag aacagttatc ctcaaatat ggcaatatca cccccccaa 120
 acatatcatc cacaattgta atattgnaca acttcaacat gatcttctgc tccacctaga 180
 tatcccacca acttattgat gcgtgtacat aattccctta taacctcact atcaaattgc 240
 atctgaggat tgtcattgaa cttaacattc taaaattgga caaccacatg taatacgtga 300
 tgaagttgga tattccatct tcgttcaatg attcgaacac ac 342

<210> 22481
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22481

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 caatgaaaat gttattttgt ttgataatgt ataatagaat catattccat tgtttattat 180
 acaacaaaat tgtatgtctt tcttatatta ttcaatgaaa atttgatttc attgtacaat 240
 attaaaataa gttgggtggt tgaaaaaaa gaagacaaaa gtaggttcca ttgcataacct 300
 gtgcaacgat atcataagtt tgttggtggt aagttggagt gtgnaaaaat aattcaacgg 360
 aacaagattg attacatatc tatctatgta tgaa 394

<210> 22482
 <211> 342

<212> DNA
<213> Glycine max

<400> 22482

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atattgggcg gagaaattaa atatggagaa tcaagttggc ctagtattaa agaaaggaat 120
gttacgtaag aatgaagcat atgggacaaa atgaaatata tcataattgt cgttttggtc 180
aactcaagtt gatgaactga gacaaatagc acgcacaaat gggacaagct taatttcaaa 240
cctcagttaa tacagtattg gctgtggaaa tgaaatgagg gaagtcaggt tggtttggtc 300
tctcaaattg taaaacaaat tctacggaat acactgggtg gg 342

<210> 22483
<211> 367
<212> DNA
<213> Glycine max

<400> 22483

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acttaagtga gtgtttgctc aagccaaaaa cttcatgttt aaacagatac tacaaactct 120
gcagttttgt aactctgacc aaaatcagtt taagccaaag ttgttttgct taagctaatt 180
ttcctctgca actttctttt tcattcttctc caaaaaagaa cttcaatctg ggacctctaa 240
tcccaactta agcacatttg agttgaaatt gtcacttcaa gctttcattg aaccttggtc 300
caaaaaattg ctattcaatc caattcaaaa atcctacata aaggccatc aataagcatg 360
tgaacta 367

<210> 22484
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22484

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ttagctagca gtttgttctg tgccaacagt gcatcttggt aagaaagctc taacaggctt 120
ctttttgtag gtatatgagt ccgatcacgc aagatagcat gatcagtagc agccatattt 180

tcaataagct ccatagcttc ttcaggagtc ttcaatttaa tctttcctcc agcagaagca 240
tctaataact gcttggacta tggctcctcaa ccatctataa aaatgttcaa ttgaatcggc 300
tcaaagaatc catgagttgg tgtctttcgc agcaagctac agaatctctc aagtgccttca 360
ctcanggatt catctgggaa ttgatggaat gaagagatag ctgccttgcc ttcagctgtc 420

<210> 22485
<211> 391
<212> DNA
<213> Glycine max

<400> 22485

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atgctaagca tagctttctgc tttttcctct ttctttttta cttgggttga ctccataaat 120
tttggttgatt aagatgttga ttatttgaag atatatttat agcagtttgt taaatgagaa 180
aaatcctacc ttgcacatta gttgatttgg atagtattac ggatgtttct cttaggggaa 240
tcaaattcag acaagaagtt atatataaac ttgacttata gaaaccaaac tgtgcaggga 300
agatgatgca cgaaggatcg gttgagttgg agaccgtgct ttctttaaga tctcctacag 360
cagatatgga aaatgatgac ttgtttggta a 391

<210> 22486
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22486

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gagaactgca tataaaggca atttttttta aagcaactcg tagctcgtga tggcgctcc 120
cccttgcaac gcgcaacctc caatggcgcg tcttgctac actgctacag cctgcactac 180
actcagagct acgctgctgc accctagggc cttcaacgcg ccagtttgac tggcgccatg 240
cccaagtgcg catttgctgc ttgcgactcc aatgccacgt angcaciaag gcaaggcgct 300
gggtgggaatg gcgacaccag cgccacgtgt cacctcctcg ccgaaagcgc caatgggtgt 360
ggcgccatgc atggtgttta cgtgaaaaaa caacaccct ctgtatatgt ttagaaacaa 420
ccc 423

<210> 22487
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 22487

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aagtttctact tggttacata ccaaagtgtg acaatccatt gccatccttc aatggggcac 120
acgactgatc cgaaagcctt atgttttctt actatgtaga ataatcgaat tttttttaa 180
aaaaggggaa aaccctagga tcaatatttc ggttgattga ttaaagtca aatggctcca 240
ttgtcgtcat ccaaaattgt caagtgatta aacaaaacat actctttgaa ggagtccccg 300
aagagatttg caaaaaaaaa aaaatagaat aagggttgc atgaattatcac atcttctaca 360
aagaggcaat caatttgtgt ttccataata aaaa 394

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<210> 22488
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22488

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gactctcagc cacttatgat agtcgccgat gatccatta ctgcttcccc taagctctct 120
gtcctttctt cacgccgat cccatgcctt gcgaactcct tggagtaccc tcgcgttgtg 180
gtcactaaaa ccccgtagcga tgaaaggcgt gatgctttcg tctaattggcg cttctctcat 240
ggggtagcca agctgtctta tggcgaggac gggattataa ttaatacaac cccttggtcc 300
catcaagaga acatttggac atccttcgca tgaagataga atcctgattc ttccttcctt 360
ctagcgagga aaccaattaa cagacgcccc tccatgctag ccaagagttg gtcccaattc 420

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<210> 22489
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22489

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 cataatatat ggagatggtc ttaggaaaaa aatgaagccc atcgcaaata caaacgacca 180
 taacttttcc accggatctc cgaataagcc aagtaacctc tcgcatgct caaaatttat 240
 catggaagac tcgggtgaat tccgacgggc aatacttttt actcgcatgt ccaattgagg 300
 cccataatat atcatcgccc tcgaatatag aatgggactg accacgcaaa ttctgacagc 360
 cataacgttt gactcggatt cctgattg 388

<210> 22490
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22490

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 tttgttactt ttatacccc tgtgacgtgc ttaagccatt ttacttaagt catttctcgc 120
 ttaacttata aataaaataa attcccaccg aacgtttgaa ttgtattatc cattaacttc 180
 ggtaaaaata aattccgacc gtccggctgt gccgtaacca cggttggaat caaaaaaaga 240
 ggtaaaaata atataataat caaaaacatc ttttagtaaa ataaagcgga aaatcaatcg 300
 gacgttntct ctntgggatt tctcattctt aatcgaattg attaataact aaagtgaac 360
 taaggctaan aatcaactcg cctagtcaaa ctctccaca aaaataggct ttg 414

<210> 22491
 <211> 384
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22491

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 aagctgaaaa gacacttatt gctgatatga ccaagtcaat ggtgaaacca agaaacattc 180
 tgctaactct gaaggagcac aatgccataa gttgtatgac catctaaca atatataatg 240

caagaagtgc atatacgttct tccataagag gaagtgatac tgaaatgcaa catctaataga 300
agcttccttga acgtgatcag tatattcatt ggcacagatt acangatgaa gacgtagttc 360
gtgatatctt ttggtgtcat cctg 384

<210> 22492
<211> 408
<212> DNA
<213> Glycine max

<400> 22492

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ccaagagcat gagctcatat aatgacattg atatgaagat tttttgtgcc aaatacatca 120
agctcaagag ttaatttgat gtatctatta ctattgcatg atttaacaac tataagaaac 180
tatagttagg gtttagctat attgacttgt ctttcttgag ctttagataa tagggttgac 240
tttaagcaag aaaatattgg aggatgcacg ttgcttctcc aatcatgggt gtaggactgg 300
attacatgca tttctccata tgtgtaggta tgcaaaattg tatttttgtg gttgatttgt 360
ttcttttata tagaaactaa aattgtgtca ttattagtgt tacaaatg 408

<210> 22493
<211> 407
<212> DNA
<213> Glycine max

<400> 22493

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ggccctatat tggaattaat agaccttatt agaactaaaa tggtcctata ttgaaagaaa 120
tttctaacta tggatcaaaa gactctgac acatcataaa taaaccatat gtttacggac 180
tgggcttatg ctcaatccat atctcatctc tactatgctc aaatgttcca aacattcatc 240
tcagacagaa tatatatgat atactacatc tattaagaca catgaatctt tttatgtttc 300
attaaatatc taactggtac tatacctaaa aaaactattc ggaatctgac ataattttac 360
caagttaaag tgtgattgtg ggataagata actgatcata agctaca 407

<210> 22494
<211> 430
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22494

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ctgacttgat cagttgaacc cgaccataa tggataagag agcgcccttc tgagtaacca 180
acttagatct tatacgatca gcaataggcc ttatatgaat accgcggggc tggcttagaa 240
aaaaggggac aacaatgtag ttaaacgaca gactggccac agcaaacct agaagaagtt 300
ttatctactc tcagggtgta cccaaggat tggtttgggt tagatttcca agaacaaaaa 360
ataatcatct aatctagatt aacttcacat ttgtacacag tatggatcga ataatcatc 420
aaaatattta 430

<210> 22495

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22495

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catccactag ggaataagcc ttggaagaat gagcttcacc acccagatga gtctgggata 180
agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240
ggagcacgaa atttaaggaa gataaagaga gagaagttga actttgagtt atgtctcaca 300
agactctcat tcatcatagt tacaacaagt gttacacatt cttgtatcta tagactacgt 360
agcttccttg agaagctntc ttgagaagac ttccttgaga agcttc 406

<210> 22496

<211> 413

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22496

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ttctctnccg cccctctgtc ctcatctgtg ctctcttcac gagtctcttc tccacctcta 120
 caagtctcat ctctctgtc atcatgagta gtgtgtgtgc gccgataatg agtttttatt 180
 ttttggaactc tgtttactcc attcagattt gcaatccata tgggacatgc gaaatacgaa 240
 atacaaaata caaaatcata acttatatgg attgacaatt cgtatgtttc atacagatta 300
 gcatagattg aagttacaaa caaaataact aacctctcc gctgttgcat tgtaacaccc 360
 accatgatga caatcacaaa ccgcatatga accaccacga acaatgcacc tcg 413

<210> 22497
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22497

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 cgcattattt ctacaatatg tcgtttcaaa tgatttcttt ataattataa agctgaagtt 180
 ttccgaccca agaattaaag gtctccctag tgaaatatca ttctaactta cgaaataatt 240
 tgggtcagtt tatttggtta aaagtagaga ccattgttat ctataaaaga tgaattgatg 300
 taaataaaaa gactaaattg atcgattttt ttattgggta acaacaaaac tggttaatttt 360
 catttttcca cggaatatca atcttaaato ttg 393

<210> 22498
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 22498

taaaggagaa agaagataga ggaaactaaa attagtagtg attgttaatt atcttacaag 60
 agagttgggtt attatagttt tatataattg gttgcaagaa taactaactt gtaactaact 120
 aaactatctc ttgtaacaaa gtgatcaatc tgaattaacc atgatcaaac tatatctatg 180
 ttaagatccc ctttcaagct aggaatggat attggatatt cctaacttgg aatacaaaaa 240
 ttgaaaagaa tcaggcagca tggccttagt gtatatgtct gcaagctcat tagcaaaggt 300

gataggaagt aatttcacaa ttcttttatg catcttctcc cgaactagat gacaatcaat 360
 cttaatatgt tgtgttctct catgaaaaac atgatatgtt gctatatgaa gggcagatcg 420
 attatcacaa t 431

<210> 22499
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22499

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 ggcaagattg gatgaaagga aggggtgattt tcgaaatctg cacttatgca gaattttgct 120
 gtcaaaatag gtgcagcaga attttggcctt tgtgcagaaa aatgcttgtg tgtgggtgggc 180
 tgtggaaaga gtagtacaga atgagttctg gacgtttaca agtagatccc aacggtcaca 240
 atgtatgctt atgtactaga gacttccagt aaaattttcg agtcgatcca acggttaatg 300
 aaccggaacg aaggaattgt tactggngtc tntaagtgag aaaagctgtg anttggttgg 360
 tgttttgggc agagttttct gccttt 386

<210> 22500
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22500

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 atgtatctcc tcacatgtct tgtgataaat gttgttaaca tgattcttta gaatttcac 180
 cgattaaact tgctatagaa gctagatttg attctctatg gttcaaattt cttgttcttg 240
 ttcttgaacc atgaattgtg ttgagtttag attcctttga gttttgtctt gcaatttttt 300
 tgtggctgaa acctaaacca taaaattctt acaaaaacat taaagtagaa gaaaacctaa 360
 caaatataga gtgacttgtt cacctattgt agtntgtca tagaagtcac gtctaatacat 420
 gaaacttgt 429

<210> 22501
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 22501

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agctttgagc cataatccta acttaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcaaaaaa gaagagaagg aaaatttccg atcaaagaaa aaaaagagaa 120
ggaaaatttc caatcaaaga gaaagcaaaa aaaaaaagag aaggaaaatt tccaatcaaa 180
ggataaaata gaggaagga aattcccaat caaagagtgg gagaaagcga aaagaaaaga 240
aagaaaattc ccaaccaaag agtgggagaa agtaaaagga aggaaagaaa gctcctgatc 300
aaggatcgaa agatatcaga agaaatgtgc agaaaggtct gtggaccgga caatatatgt 360
acaatacaga attgttcacc aatgaacata aaaaaa 395
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<210> 22502
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22502

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taagcttaca acagattnta gtaatgaccc actaacctag aatataaatt actgattgcc 60
attaaccttg ggaattaaga aaaaacttaa tggctgagtg taactgagat cgtggcaacc 120
aaaagtcacc ctcatcagcc aacaagtcag ccaccatttg gtctcccaa aggctgatgc 180
ctaggttgcc aattgggccc ttattacaac ttgaactaaa cctactaatg cccctttatt 240
tgattaaccc aaaacatatt tttggtcagc caactttaca aggattgggc cagtatttag 300
acaaactaaa cactctaaga ttgagacata gtggtgtcat tcacacctgc tacattcggg 360
ccatgatata actcacatcc taggac 386
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<210> 22503
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22503

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 ttaatttttt gctttacett ctcttccatt gttgtttctt cttttttctc catgtatctc 120
 ctcacatgtc ttgtgataaa tgttggttaac atgattcttt agagtttcca ccaattaaac 180
 ttgctataga agctagatct ttttttctat ggttcaaatt tcttggtctt gaaccatgaa 240
 ttgtgttgag tttaggttcc tttaggtttt gtcttggtat tttttgtggc tgaaacctaa 300
 accataaaat tattagaaaa atattaaagt agaagaaaac ctcaaaaatc tagagtgact 360
 tgttcaccta ttgtagttnt gtcatagaag tcatgtctag 400

<210> 22504
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22504

nttctaaagg ttataactct tctaattggtt ttcttgatct gacatgaaga gtctataaaa 60
 gcaagacctt gatttgcatt tcaacaacac ttacaacctt tacaacaac tttccacat 120
 attctttttc aacctttaaa tctctttgaa catcttcttc ttcttcttct tcttttgcaa 180
 aagctttctt aagttttttg gttttccaaa ccttgaaaac aaaaattgtg ctattcatct 240
 ttttcattcc cttctccctt tgccaaaaag aattcgccaa gggctaaccg cctaaattct 300
 ttttgtgtct ctcttatccc ttttccaaaa gaacgaagga ctaaccgcct gagttctttt 360
 gtgtctccct tctcccttgt caaagaattc aaaacaacac agtctgagaa ttcttttgat 420
 tcttccctt 429

<210> 22505
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22505

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 gctttaagag taatgtccca ctaaaactaa ctttccaaat gtttgcttc gcaggaatgg 120
 ccccgaggaa gcttgctca aagaggtcca ggaaggacaa ggccggccgaa ggaactagtt 180

ccgccccgga gtacgacagt caccgcttta ggagcgttgt acaccagcag cgcttcgaag 240
ccatcaaggg atgggtcgttt ctccgggagc gacgcgtcca gctcanggac gacgagtata 300
ctgattttcca ggaggaaata gggcgccggc ggtgggcacc actggttact cccatggcca 360
agtttgatcc agaaatagtc cttgagtttt ac 392

<210> 22506
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22506

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cccaatatta tgaccagttg ttgaggtgct tcacctctgg ggacttccag ttatcaccca 120
tgggtgaaga gtttgaagag atcctgggat gccctctatg aggaaggaaa ccatacatct 180
tctcaggatt ttatccctct ttagctacaa tttctaagat agtccgaatc tcgacgcggg 240
aattagacca cagaaagcaa gtcgaaaatg ggggtggttg agtaccgacg aaatgtttgg 300
aaacaaaagc aagaatcttg gcaggtaaac gcgaatgggc cccattctaa acatcctcgg 360
gcttttgatc ttatgagggg tcctctttcc aatgtggatg ggttggtgga cctggcagca 420
atcgacgctn 430

<210> 22507
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22507

ctttcaagct tatgtnatna gtccatatga gccaatgagc attatacatt ttgctctgct 60
ggaaacaaga gaaaaacaaa ccaatatata ctttgattca aaggggtgaa caaatatata 120
atccatatgc atcgaatata tagcatttat attcgcgagg ctgatgttct caatcatttc 180
atggagatgt tatcattttc cggctgaaaa gcaaaaatgt aaatactgat tttcgtttct 240
atagtgtgct gataaaattc gttcccaaag atgaaaactt acattttacg ttctcgaaag 300
tgaaaaagtg tgataaatat attcattcat taatttttat ccgttacaag ttatgaagag 360

acgaattcgt taatgctcta catattcacc aatg

394

<210> 22508
<211> 258
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22508

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accttnggcc cactgcccc ggaacggcgc caaatttggt cgaggtcgta cctgaatcaa 120
ataaacatta aaaatgcagt atctaggaag cgatcatagg tcgtctccca acgagcaatg 180
gttaacccaaa cgttcataat agatagtaat ataacagtta cgaatgggag gggggggggtt 240
gtatattaaa cataaaat 258

<210> 22509
<211> 317
<212> DNA
<213> Glycine max

<400> 22509

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gaaattctca ccaattcaat aaagagctca tcatttactt tcttgatga cagaggctgc 120
atggatgcaa aatacttgat gcacacctgt cttgcttcag gcttttgagc ctgcaaggcc 180
ttccttgctc cttacagcac cttctgatac acttccagtg tcatctocta caacacaggt 240
taaatgccgt ttagcaatga gtgaacaata acgaagaaaa tataaaggtc aaacgtaaca 300
cactaaaagc atgatgg 317

<210> 22510
<211> 370
<212> DNA
<213> Glycine max

<400> 22510

aagaataacc acaagtgggt cactgaaagg aggggaaaca aaactattat actataaatt 60
atcttttacc gtacaccaca tgatgttgcc gttgttgcca tctaaagccc atgcatagcc 120
acttttctga accgcaacaa caacatcttt cttgggtcga tttatatata tggacaacat 180

cattggtgcc tccccagaat cagcatcttg ccaaaaacct ctgggtggac aattaggagc 240
tgaagcattt atacatgcta agataaatat atcgaagcct ccacactggc ggtaccatct 300
gatcttccac gaatacaaat caacggctaa tatcgaattg gagtggatgt ctggctaata 360
cactcatctg 370

<210> 22511
<211> 392
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22511

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caacaccggg gaatgtgggg aggttggtga ttataaacct ctagggctac cgattcgcag 120
tttgagatcg gttgctagag atgtagatag ttctagatat gccaatgaaa gtgattccag 180
ttcagtttca aggggttctt ctagcggatt gggtaagagc ggagataggg aatttgggga 240
tctgggtcct tccaatttgg agaaaaaatt taatgatgct gctgctgctg gtggatcagc 300
ttctgcgatt ccctgggtgct caacgaatag atggacggaa agggagaaga catctggcaa 360
tgttaccagt ccttcgcatg ttatgccact tt 392

<210> 22512
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22512

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tattccgcaa ttctgagcat agcactgtat acaaaggagc tttaaattatt aaagaaggaa 120
aattgatttg aaacggacaa acacataaca ttgttaatca gagcaaatat tattaatatag 180
tgaaaatttg aatggatgct agcacatatc atcagtcata gcctcaccga cccatcaatt 240
cgacaacctc aaagtacaaa cctttgagca agaaacctca acttcagaga gaataagaaa 300
cacacacaca cagcgagaga gagaggaatc caaaaaaggc aacaggagggt cgagagatgc 360
caaaatgcaa aaactcccta cattctcttt tgtctccatt ggaaaaatat caccttanna 420

cagtca

426

<210> 22513
<211> 380
<212> DNA
<213> Glycine max

<400> 22513

agcttggagc tgaggaacgg cgcacgttca tagagaagct tattaaacac attgagaatg 60
ataaccttcg attgctgcaa aaattcagga aaagaattga caagtaacca tttctcttag 120
tttactact ctttctcttt ccctttgtag ctctgtgttg ttggagatgt ttcactaagt 180
tttattaaat tatgaatcat gttagaagtc aaccaaatta ttatttatca cacttcttct 240
aatggcaaaa gttacaatat aagtctagct caaatgtgtc atggaaaagg ataaaatata 300
aagttaaata taacggcaca gagaaaacac attttcatct agttaagtat ctggcgtgta 360
agtttatggg gtaatagatg 380

<210> 22514
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22514

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gcatctggct atatagtcgt ggcatggcat attactagat attatacact cagaattgtc 120
ccatacaaca ccagaagcgt cacaattgtc tcaaaaattg ttaccaccaa attatgttct 180
taccgccaga agtgttgtgt atggaaagca agtatgagct taacaaatcg actgcaaatt 240
acttagatgc aaggacaatt taagtcagta gaccacatca agttattgca ataaccetta 300
ccaacatctg atgtacccta atgaagccga gggacaaaga atat 344

<210> 22515
<211> 381
<212> DNA
<213> Glycine max

<400> 22515

agctttgaat ggaggctctg gtctcttggt gaaactgcat gttttgcata gtcatttgcc 60
tcacaagttc ttcaagggaa ggttgcgag aagcctcaac tatttggtgt ttctgggggt 120
gttgctgttg ttgttggtgc tgttgctggt gtgaatgatt tgaccatcta aggttgggat 180
gattcctcca cccgggattg tacctatttc tagagaggtc atagttgttc ttttgtggct 240
gattttgctg ctgagggtga gggggtctat tgtagatggt tgcagcataa gcttcaagct 300
gttcaattgc ttcattattgt tgacaaaaag gcaaaagtct gtgtggtggt cggcaaacga 360
tcatatacca tatagtctac c 381

<210> 22516
<211> 528
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22516

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ccgatttctt tcaattatac acccaataga gaggcggagt gggggtgcta tgtgatatac 120
atagtcacc acacctacat gtgtaaaact caagtcgtaa ctccaacgtc acatcgctc 180
tgcggcacaa gacaaccttc tcgccacggt ggcgtagaa caccagaaaag gcctcgtgaa 240
cgcatcggcg ctgtcccgac ataatgcgac agccgtgata tggtagaaat ggcgccgagg 300
aagcggttaag ttatatctct tgacgcatga cgtgcaggaa gcaccacacc ggggtatggt 360
tgcgctactc cgtacanagc gtgtgctgat agcgcgcata tgctgagcca acgctcgaca 420
tgccgatcaa ctgccgcttg acagctacta ctgtgataat gagtatggca aaaataacga 480
taatcttagt gccctcattt gcctatacgc aacgcatggt ttgtctcg 528

<210> 22517
<211> 408
<212> DNA
<213> Glycine max
<400> 22517

agcttatcta agtacccttt tgctcatgga aggagcaaga atattgaaac aaaattccac 60
ttcctcaaaa agggaagttg gagttgaaaa attgcaatac caatgagtag ttggctgatt 120
tttaacaaaa tctcttaata ctgatcgatt caagctaata agagacacca taggggtgct 180

gtctattgct aatctaaatt acacggaagt gttgtatata attcagttag tggttatatg 240
 ttagtgaatt gttaacaaac tacttgtaaa tgtgtaccat aaatagtgat gctctgtata 300
 tgtgataaaa agaagtaaga aataaaatTT tctattcaat accatatctc ttatcttggt 360
 ctctctcttt tcttctctgt tcatgtaagt gatctcattc attctgag 408

<210> 22518
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22518

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 aataggtttag ggtttgatac tgagttctgc aacagccaca tatggttcat ttttttcttt 120
 aatgcaaacc ttcacaccta gctcactaaa atttaccatc tgtttagat cagtgaaga 180
 cagcatgata ttgtacaatt agaaatgtgg tgcttgaggt ttaaggaact agagtttaca 240
 tgataattac cttattagga atgtcattgt cgttgattnt agtgatgata ctgcaatctg 300
 tttcttctct ttgtccctt gatgagtnta ttgttggtga tggagataca gatgaggaat 360
 tttgggttct gcaaacatgc aaaaaagcca tccttattag aaaaataagg tatttgtag 420
 atac 424

<210> 22519
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 22519

agtttatatt aatttagtct aaactttcat aagctattta agctgagtct agtccaacaa 60
 gagggatctg aggatgaagc ttagtttaag ttagtctaaa cctatgaggg ctgtctaaat 120
 taagcctagt ccaacaagag ggatctgagg aggaagcttg gattgattca gcctaattag 180
 ggatcgaggt ttagtaattt aggctacaac atagaacaca atagcacgat tgattagaga 240
 aacatcttta tatacatcag cttgtttggt agaaagacc aacaacactt ttacctactg 300
 ctgtcaatct taattaccta tatttctact ggttttagcc tagacttagt ttaattttgt 360

tctacattac caatgtttct ttcaacaatg cctta

395

<210> 22520
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22520

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tggagatatg tcgcgggggt caagagacct tggggacgtc aggtgggggtg ctattgccca 120
aaaccaagct tgaccaatcc cgaccaacc cgggcataat cggtcagtga gaacctgtga 180
tgtacctaaa caggcgagct cctggcagtc aacagataaa aggaacaaag accacaaagc 240
atggaggctt gtggtggctg gccagttgtg aattattgtg tgatatatgg gttgtggcct 300
ctggtaatcg attaccaatg gagggtaatc gattacaagg cttaaaaatg aagataggag 360
gctaagatgg tctctggtaa tcgattacca cggagtgtaa tcgattacca ggcttgaaaa 420
cgaggt 426

<210> 22521
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22521

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caagttttta attatcaaatt tacctcaact aataaaacac atacaatttt taactctttc 120
ttttgcaact cctcaagagc tttctgaaaa aatctgcatt cttctagcaa ggagatctgg 180
atgaatacat tcgatgcaga aaatcaccat gtcagggaaa tattaacagt ggcatatgaa 240
ccatataaaa gacttcatat tcctaaacat gcacttctag tgacaacaga natatttgca 300
ttcaaaacaa aacacaattt acctagagca agacatccga aacatgaaaa tatagatgct 360
gagaaagttc tctatttgag ttataatggc tataatgcat a 401

<210> 22522
<211> 404
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22522

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tgaattctca ttattagttt caaggttagc acaataataa atcttctcta tttcacatta 120
attgtgtgtg agcatcttta ttatctttat cttttttttt tctctgtgaa ttcttaattt 180
tcaaactaaa tctaacatat gccaatgtat agtttaatat ataaaaggag aaactattgt 240
aaaatataaa attcaactct tacacataaa aacaaaaaat gtgtagagat agacatatat 300
tcagaaaaaa taattaataa accanaaata acatangaaa aaaacttaca aaacatgatt 360
ntgtgtaggt aaaaccaata aaataaaaact ttactacct atgg 404

<210> 22523

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22523

ggggatgtat ttgtgcgtcg ctagacgtgc actatagata actcaagctc cgctagtctt 60
ttcaacacca atactctntc actaagtctc taaaggatcc acaacacaac tcaatagtgt 120
tatgtccaac caataatcca aactaactc accaaatagc ttgtctacca taattcagta 180
acagtaatcc ttagtaagta gtctatgaag tttcttttg ccaagctttc atagactttt 240
caaccaata ttctttcact aagcctctaa aggatccaca acacaactca atagttgtcc 300
aaccaacaat atatccaaca ctaactcacc aaatagcttt ttaccatac ttcagtaaca 360
gtaatcctta ctaattagcc tatggaagca caatctactt caaggacttc actctagact 420
ctatgttggt ntatacttgg aaagaatgga tacacaaaan aataaaatgg ctcataaaca 480
ctcatta 487

<210> 22524

<211> 401

<212> DNA

<213> Glycine max

<400> 22524

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gtatatgctc ggacttaatg cgggctgcag caccggctcc gtttccctaa ctgtactaca 120
ggcgggttgcc gaggctctat cctctatggg tctatggagt ttcaacatga cctgtgagat 180
agaagacaca tgagacatta atgaccttct tatcgacagt gttgtttagt tcctgtaggg 240
ccttattctg catcatttga acataaaaatt aaatccacta attgtatagt tagaggatcg 300
tccacaaaac actgatgggt tgatataaat tataaattag ttcttcaata tatttaatga 360
ttactaatat tgaaattaca tatgtataat acatctgacc t 401

<210> 22525
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22525

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gtangaattt gagtgcagca caagaaactt cagttgcttg aatttcccaa aaatctcctg 120
cacctcccca ccaaatttat tctgtcttaa atccaagatg aacaaatggg tcaagttcaa 180
aagggtctct gggatatccc tcgagaaagt gttgttcccc aagaacaatg catcaagacc 240
agaaatggaa ccaatttcac tgggaatata tccagtaaaa ttgttaccag aaaggttgag 300
aaccaacaaa ttcttgacgt tagcaacctc ctttgggggc ttaccgtcaa attcattaac 360
agaaagggtca agtttttcaa ggctacaatt gattggaaaa gccttggaag gaacaacccc 420
tgtgagaaaa ttct 434

<210> 22526
<211> 401
<212> DNA
<213> Glycine max
<400> 22526

tttgaagct tcaaatcacg atttcttaat atatgacaat tgaatagaaa taagttgaat 60
taatcaaatt ccaatattat acaaaatggt ggaagatgga gacgagaatt ttcaactcac 120
aggacaaaat ttagtcaaaa ctagaatttc tccactagga tcaacagtat gtctagccgc 180
tagggtctcc attacaattg accttgctgg taaccatgaa ttgacatgaa atcgaacact 240

ctgcaaatga ggaggggagct atctcaaaca acaaagcaaa aggtaaaaca ggcaagataa 300
aattcaaaac cacttattca tgttaaagtt caacaagaaa gtacacaagt gaagacttac 360
atccagaaac tcaactgccag caagagccat tgcacgttga a 401

<210> 22527
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22527

tacgcttggtg taactttctcc ttaagtacca ttttgaatgc gttttgacat ccatttggtg 60
tagtggccaa attgtgaggc gcaagagcaa gaatatgcca cagttgtcat cttggcgacc 120
gggcaaaagt ctcatcatta gccaatccat attggtgctt atttccaagc acaactaaac 180
gagctttgta acgatctatg gatccatccg agcgcagctt tatagagAAC acaaacttgc 240
tacttaaagg cttaacagat gtgggacacg ggactatatc ccatgtttga ttttcttcca 300
atgctagaag ttcagtttca atagctntct gccacaagc attcttcatg gcttggtcat 360
aagaggaagg gataggaata aaggataatg aggctgtcat ggaatggata tacctgtctg 420
gg 422

<210> 22528
<211> 387
<212> DNA
<213> Glycine max
<400> 22528

agcttcaaca tatgttcgtg agctatgtgc aatcactgtt gtggtaaaaa aaatggaggc 60
agtatttgct tggacattcc ttcattatcc tcaactgataa taggagtctt aaggagtga 120
tggcttaaat cattcagacc ccagtgtcat cttagattaa tgggctatga ctttaccatc 180
caatataggt ccgccattc aaatttagtg gtggatgtgc tatcttgac ttccaaggtt 240
tccaggggta tggctttctc actgtcgatg cctcatttca cattcttaac tgaactcaaa 300
cgtaattag ctgatcacca agagttcata gctctccggt gagacctaca ggaacatcca 360
gataatcacc ctgatcacac ttacaca 387

<210> 22529
 <211> 474
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22529

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aggTgcctgt gatgatcgat gacgacactt anttactaag ctccacactn tannattcaa 60
atTTTaaaag ttgttacata tagtattaac ttttggtaat cgattacatg cgttgtataa 120
tcgattacac tgtttttaaT tcaaattcaa aatttataaa actgtttcaa aaattatttt 180
agttattagt aatcaattac atcctctagt agtcgattac caaagagaaa acatcttatt 240
tttgaaaaca taattttact tacaagtttt tgtaagatat tttcctctgt caaacttgTg 300
cagcatcatc taagaaattc ttttcaagat cctatgaact aagtacatcg ttcttcttga 360
atTTTTttat tcttgactta gatcgtgctc atctttgaca tcatcaaaac ttcatatcat 420
atatgcttct gcaatacttt tttcactatt gaattangaa tgaatgaggg tttt 474
```

<210> 22530
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22530

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agcttggtgTg cacacaactc tctaatagct aagctcacct ccttgagatg aaaagcaaga 60
gcttagctac acacatcccc tataatagtt aagctcacc ccatgccaaa atacatgaaa 120
atataaagaa gtcctaata caaagactac ttaaaatgcc ctgaaataga aggctaaaac 180
cctatactac tagaatggcc aaaatacaag gcccaaaagt aggaaaaacc tattctaata 240
tttacaaga agagtggacc caaccttggc ccatgggatc aaaaatctac cctgaggttc 300
atgagaatct tanggccttc tttagcagct ctageccaat ccttttggag tcttctatct 360
aatacccttg gggggtagga ttgcatcana gtcg 394
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<210> 22531
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 22531

ttctgcattc aaagcaaagc atttcattgc tttccacttt gtatttcttc ttgaatttgt 60
tttatctttt cgtttggggg aatgctgaaa ctttcctttc tttttcatca tttgttcaaa 120
cttcctagac ataagagcca cttaaatacat ctgtggatcc ctcagaattg ttattaaagc 180
catcagactc aacaatatgc acttttagag ctttaggaga gttattcttt tcttcttgtc 240
tggagctaac ttctatagtt ttgagggcag caaaatcttt caaaggtaga tgatcttggc 300
aaagctgtct agaatcttca aatgtatcta agatttgggtg aaggtttgtc ttagagcttc 360
aagaccactc ataagcactt aaagtcttcc aaacatgtca tccacaaatt ctccttcttt 420
catgg 425

<210> 22532

<211> 391

<212> DNA

<213> Glycine max

<400> 22532

agcttgacca atctttaccc aaccgggca tagtcgggtca gtgagaacct gtgatgtacc 60
taagcaggcg agctcctggc agtcaacaga taaaaggaaa acaagaccac taagcaagga 120
ggcttggtgt ggctggccag ctatgaattt tgtgtaatat gtggattgtg gcctctggta 180
atcgattacc aagggtgggt aatcgattac aaggcttaaa attgaggaca ggaggctaag 240
atggctctctg gtaatcgatt accaaggggt ggaatcgatt accaggcttg aaaacgaagt 300
caggaaactt atggagcctc tggtaatcga ttaccagcct gtgtaatcga ttacacagat 360
gaatgggtca ctggttatcg attaccaggc a 391

<210> 22533

<211> 411

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22533

taatgcggat caagttgatt cgcaagtntt gtgcggatct acttgttctg cagtaggtag 60
ggttctctga ggctgaatgt ggatcaagtt gatctgagag attcatgggt tagcatatgg 120
atcaagtaca aggtatatga ttcacaggag tattttcgaat gaagttcctt catgcggatc 180

aagttgatcc gcatgaatgt atttaaattt ttaaaaataa aaattagttt attatttatt 240
 aaaatgctat taaattaagg tttaggggtca attttgaggc tgccttggtca tgtgcctaaa 300
 aaggattaca accacatgaa taattatttc cttggataag ataaatttta gtgacccta 360
 tataacactc ctcccatgag ttataatcag aaccacaaga tcgtgggctt a 411

<210> 22534
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22534

agtttgcca tggttcagac atgattgata catgatttag gactttagg attcaatttg 60
 ggcaaaattg gatgagggtca aatgtgattt cgaaaatctg cactttatgc aaaattttgc 120
 tgtcaaatat gtgcagcaga attttggtt tgtgcagaaa atgttggtga tttgctgggt 180
 gtggaaagag tagtacagat tggattctgg atgttttcta gaagatccca atggtcacaa 240
 tgtagactta tgtgctagag acttcagta aaattttcga gtgatccaa cggttaacga 300
 attgtaacga agagaatgtt actgggttat ttaagtga aaagctgtga tattgggttg 360
 tgttgggcag agttttctgc ctctgcctg tt 392

<210> 22535
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 22535

tatgctgcaa acatctacaa tagacctct caacctctt cagctaaatc agccacaata 60
 gaacaattat gacctctcca gcaacaagta caatctcggg tggaggaatc atcccaacct 120
 tagatgggtc aatccttcac aacagcaaca acaacaaca ccttattttc agaatgttg 180
 tggcccaagt agaccatacg ttcctccacc aatccagcag cagcaacaac aacaacaaca 240
 acaacccag aaacaacaaa cagttgaggc tctccacaa ccttcccttg aagaacttg 300
 gaggcaaatg actatgcaa acatgcagtt tcaacaagag accagagcct ccattcagag 360
 cttaactaat cagatgggac aattggctac acagttaa at caacaacagt cccagaattc 420
 tgata 425

<210> 22536
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22536

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 actacccatg ttacagccca acaggcacta caaagagaga gagagagagc aagaattaga 120
 gtggctggct aatgttgtgt ttgcttgct gtttgggtggc actaaggaca tggacactcc 180
 cttcatctaa tattccttgt ctagattgtc atgttcaatc agaaaacacc aattgaaata 240
 gaatcgggaa ctctccacac caataaacag ggctgcagat ttttggtttt tgttttaatt 300
 cgggaaagga taatggatct gatgggcaaa caaatataat gcagcaagta gttntctca 359

<210> 22537
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 22537

taccagctga agatccatct gccatgaaat atgtgagtc cttttctatt tctttttgtc 60
 ttttatgaac aattgagatg caaacccttg gaaattgagc tcttcataca acttggcagc 120
 ctgaagattc agactgggat gaatttggca atgatttgta ttcaattcct gatcaagtgc 180
 ctgttcaatc aagcaactta attccagagg ctctctctcc caacaaagct gatgaagaca 240
 gtaagattaa agcctttgtt gatactccag ccttggattg gcaacggtgg gtagagtatc 300
 ctcttttctt tagtttgttt gtttgggtgca tgtagtcatc acagaatgga aataagtatg 360
 atgataataa tcaatgaaac aaaaattact aattctttcc cacctac 407

<210> 22538
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22538

catttactat taaagctgtg aatgcaattc aaaatgtata agaaaatccc cgatcaaaga 60

ttggaggaaa acaaaggaaa aagaaagatt cccgatcaaa gatcgggaaga aagcaaaaaga 120
 aaatatatag aaagggtcgtt ggaccacaca atatctgaat aatgtacaaa attgtcacaa 180
 gcaagaaaga aaagaaaaac aaccatgact tgagacgcat gaagcaatcc ctttctttgt 240
 taccaaccaa atctttgtgc tcgcatctct ttcacactgt gccaaaagaa aacagaaaag 300
 gaaaaggctg aaatgctcag agccaaattt cccaccaaaa acaccattcc cgaaaaagtc 360
 atgttagtcc atgattgcgc atgttatctt tgatttgata ggaaatgatt tgcaaagtca 420
 agtcatgaca tan 433

<210> 22539
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 22539
 agcttgagat gatgaagtgt agaaggggtga aacttcctgc ttttattcat tgaccacaga 60
 gtggtacctg gagatatgtc gcgggggtta ggagaccttg gggacgtcaa gtgggggtgct 120
 attgccc aaa accaagcttg accaatcccg acccaacccg ggcatagtcg gtcagtgaga 180
 acctgtgatg tacctaaaca ggcgagctcc tggcagtcaa cagataaaaag gaacaaagac 240
 cacaaagcaa ggaggcttgt ggtggctggc cagctgtgaa acttgattga tatgtgagat 300
 atggtctctg gtaatcgatt accaaggggtg ggtaatcgat tacaaggctt aaaaatgaag 360
 acaggaggct aagatgggtct ctggtaatcg attaccac 398

<210> 22540
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 22540
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 aaatttgagt ttatctcttt tatcttagtg agagtgattc tcctaaattc ttgagtgatt 120
 caagaacacc ctggctgtat caaaggactt tcacaacctt tgtgtgttgc cctcgccgga 180
 aagagtgatt ctttccttcc tttcatcttc aaccttggtc tttcaaatta caattocaga 240
 aaatccactt ctgcccagaa ttatctcgtg gccataactc ctgttttacg cactcaaatt 300

aagtgattct tgagcttaaa ttgaatttca agacgagacc tttcacctcg tgttggaatc 360
acctcatttg gagccctgta gcttgagttt tttccatttc tatatttctg tccagccacc 420
acttaaccta cattgtctca 440

<210> 22541
<211> 404
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22541

agctttatga tgatgaatca agttgattca agtagttttg atgatgacaa aaagctcaag 60
agaatgattt caagattgag tcaacaagtt caagatcaag attaaatcaa gaagattcaa 120
gattcaatag aagtttgatt tcaagattca agagaagaaa tcaagaagac ttcacaaggg 180
aagtattgaa aagatttttc aaaaaacaaa catagcacag ttttgttttt caaaagagtt 240
tttttcaaaa ttttctaagt taccagagtt tntactctct ggtaatcgat taccattttc 300
ctgtaatcga ttaccagtgg caaagtttga tttcaaaagc ttttaactgg aattgcaaca 360
tttcaattga tctttatatg atgtaatcga ctacaatata ttgg 404

<210> 22542
<211> 395
<212> DNA
<213> Glycine max
<400> 22542

gcgatgccct tatattttcc ctttcctaata taaccatgcg ttgagctcca tgtgcaataa 60
atgtgccacg ctgttggtgtg tgtgtgatgt atttggttaca aatgggttta tgatccctac 120
atggtttggct catggtgcct aacacatgca tctgagaatc gagtgtgaag ttgcacgctt 180
ccccctttgc gtgatattct ttgtaaggaa aacgcaatga tgatcactact tgagaacaaa 240
tggtatgcac ttgtgtagat caaaaagttt gttgaatgca tatgcatgat gatgccatga 300
ctcatgcaaa atgtgatgct ggtatatgat cacggacaaa tgcaggatca tatgttcggt 360
atgacttatg aatagatgct gatgctatgc atgat 395

<210> 22543

<211> 388
 <212> DNA
 <213> Glycine max

<400> 22543

agctattgtg gtcctttctc tttatcgcca gggagtctct acatgatgtt gtgatatttc 60
 ttgcgaaaga agcacaagca aggaggtatt gttgtgttct aaaaacaaaa aataagaagt 120
 cacaacaaat atattatcta aatcatgaaa attcaaaaat gaaacgtact tttagaagat 180
 gaaaacatga atttttatct tattgttttt ttgctcttgg tttgtatcaa tcacaagtga 240
 ttcattttgtg tgatgggttg tatgcttgct caacaggaac agaaaaagat atcttatcga 300
 ccgtataatt gacatcccat aatagattga acctgagttg ggggtgtgaat gttgtatcta 360
 caaggcacct actagtcttt tgaatgtg 388

<210> 22544
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 22544

gcaagagaca aacgtctctc ttaacaagct aatctcgtgc ttagcgtgca accttgatcc 60
 ttgtgctctt tcagattccc ttgtcacgct aagcgcgctg aacctactgg gtccgcttag 120
 cgcgactgct tctttagca cttcaagact ctatcctcat ttgacctgat attgaacaaa 180
 tttcatcatt aaatctaag g 201

<210> 22545
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 22545

agcttctaaa ctttgtacaa gaatgaagct ctgataccac ttgttataca agtggcctca 60
 gatattctaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120
 tctatttcac ttttttactc aagttatgaa ttcccttaat gacaatcttc ttaaataatta 180
 attcaaacia agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaat gcaaaactcag ttttatactg gttcgaccac acccttgtgc ctacgtccag 300

tccccaagca acccggttga gagttccact atcttgtaaa ttccttttac aagatctaaa 360
cacacaagga caatccttcc tttgtgt 387

<210> 22546
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22546

tcttggcaag ccagtgggtg gaggacaagg ctggattggt aagttgattt gtgagattca 60
taatcatgaa ttagccaagt cattagttgg acatccatat gtcgggcat tgactaaagc 120
ttgaaagaca cttattgttg atatgatgaa gtcaatggtc aaaccaagaa acattctgct 180
gactctgaag gagcacaatg ccaatagttg tacgaccatc aaacaaatat acaatgcaag 240
aagtgcataat cgttcttcca taagaggaag tgatactgaa atgcaacatc taatgaagct 300
tctcgaatgg gatcagtata ttcattggca cagattanag gatgaagacg tggttcgtga 360
tatcttttgg tgtcacccta atgtagtgaa gttagtcaac acatgttat 409

<210> 22547
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22547

gggattgatg tgacgcccta ttagaaaccc gctggngan atactccacc ttttaagatt 60
tgttaataga aatattgtca aanagacag aggtatacaa ataatcaggt cccacatttc 120
taaagattgt agaaaaaagt attaaaaata aaaaaaatat aacaaaaaac attgtttaga 180
tttttttaac gtgtacatta ttttatatat catttgtgta aaaaatttat atttgtatta 240
tttgggtaat tttttttgta ttaaataaggc actattagaa aatatgctgt tcacatcggt 300
tatttatgac tttctacatc gggttttaac cgatgttgaa agtattatcg ttaacaccgg 360
ttttttaaaa ccgatgttaa tgtaaaattg acaacatcg tttattaaac aaccgatgtt 420
atataataag atttacacca aaaaaatata tgaatgg 457

<210> 22548

<211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22548

tttgcaagct tgaactctga tactgtacca gcaacttggt gcatactggt gactatcttt 60
 cttgacatcc ttcaagttcc gtcgaacttc ttcaagagaag ttattcccca ttacctctta 120
 tgcgatctct ttcataattt ctcaagtctgt gtcaatcttc aactgactcc ccattatatg 180
 tgttnggaca actccagatg tgtggacatg tgtgtggagt atatgatctt attgctacat 240
 ttgttatcga gttctctgat tctgttggga tcctgtacgc tgcatttttc catttatact 300
 acgatctgat ttgctatctc ttgcatgat ctgat 335

<210> 22549
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22549

ttannaattg atttgaaacg tacagtaact gttggtattc tattaccata tatgagtagg 60
 cgattacaca ttgcatattt tgaattcaaa ctataatagc tgttgtaaatt gatttttggc 120
 cactggtaat cgatcacatc ctctggtaat caattaccac agagtaaata ccttgaaaaa 180
 gacttttaat gtaaatcact tggccaatcc ttctgctagc ttaattggaa tggcctgctt 240
 atctaattga cccttcctat gacactagag acggtcttga tcatccatct tggatatctt 300
 taattacttt gtctcgaata aatctttgac aagcacgtga tccatgcgat cctttggcat 360
 cctca 365

<210> 22550
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22550

agcttggtgt acttgatata tggagtataa ctctctggtg cttcttgtat gggaggtaac 60
 tttttagata acttttttac tgccatagcg ccacatgcat gtcaacatct ttatttgctt 120

tgtgttataa attaaaaatc aagatgaata taaaaaacat ctcaaccttc tagaggacaa 180
gaaaaccagt aattatcaga atgtaactct tcctcaggat aattattgct atgacgtgat 240
tccagttcag ttagattggc tttcaatgaa tcaatctaga caaataaact ttcaacctta 300
cgagcaagct ttaaattgcat gtaaagttag tagcagaata gcataatgct aatgggggggt 360
atttgttaga aaccacaaaa tgtgttgagt ta 392

<210> 22551
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22551

ttggaagatt acagatggaa ggagccaaag tctcctgtta ctattgtttt ggtaaagatt 60
cacagaatta ccactctacc tgtgtagtag acaccagtcc aatataagga taggtttcac 120
aaaatcaaca atgaacacgg gacaattgag agacgaggtt caagataaag cagaagatga 180
catagtatga cacaaaatat taagagtatt accgtgttgt gaaaggaaga gggaaaaacc 240
aagccactct tctcactaag ctactctttc tcataaccag gaatgaccac acattntagt 300
agtcttactc gggttcgttg gctttatttg tctctctctc ctaagtatgn ataatgcttg 360
ttgagaaatg ctcttactca taanaattta attctctgat acaagcttaa acttttttta 420
gcatgta 427

<210> 22552
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22552

ttcctgagaa agacaaggag agagacgaag agagcggaat acgcccggag acgaacaaca 60
ngggagtata gcccaactgc aaacattcaa tgagtatgaa atgctatgaa gactgggtgag 120
cgaatcgaga caacatctca gtacagaata atcccaatga ttaacgggtat gatcgatcca 180
catagaacac acttcccgcg gcaagtcaaa catgaatccc tgactcacga tagatacacg 240
cgcaacacaa ttaacagcaa tacaacacc ggctctaaca gggaatcacg ctacgagaaa 300

cacacgaatg ccacacgata atccaaaaaa cgcataacga atggatacga ctgacgccaa 360
 ggaccccaga gagatgcaca ggaccacn 388

<210> 22553
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 22553

agcttggttac ttcattatga cattattttta gtgtcccata cgatctagag gctagcctgg 60
 gcgagccagg ggtctaaaaa agcctccaaa tgaccctttt gccctccctt ttgggtattt 120
 tccctattct tttccaaaac atcaaaaaaac cttttgaatt gcacgacaag tgggtgtaag 180
 caactcaatt tggctagcaa gaatcaaaat gtttagcaat gatagtcccc agacgaaatt 240
 agggatgac agttgccctt ctttacttat cttttattgg aaataaaaagg gaagtaaaga 300
 taaggacact aatttcgttt gagcaatctt gttattcgac agggcaacca aggaagtcaa 360
 accgagaaaa catgaggaca ttgaagttc 389

<210> 22554
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22554

tcaattcaag atncaatatg gataggggnc ttggtagtat aagtcttcaa ggatcaacca 60
 ttctattggg tatttggttca tgttgtgtct tcaagatcct atcaacatga tggacaacac 120
 aatcaagatt gagaaattta taagaaagaa tagcttcaac ctttgatgca tcaagatacg 180
 agccttggtg aaagaacagg gcacttaggc tcctccctcc tatcaattgt caaagattga 240
 taagccagtg cttgagttac aagaggaaaa ggtgcattcg ctaatcctct aatctttatc 300
 taatgaggtt ttttattggg ttctggctcg aattggagaa acttttcatg acaacatcaa 360
 agaaatattt tgtcgttgct cttggtcaga atgactcctc atcgg 405

<210> 22555
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 22555

agcttataga atatataata aaagaacaat gacaattgaa gagtctatac atgtttcctt 60

tgatgattct aatgccattc ttccaaggaa ggatttttta gatgatattt cagattcctt 120

agaagatata catattcatg gaaatgactc taaagaaaaa gatgaaggaa gcaatgaaga 180

ttctcaagat aatggagtta gggcaaataa tgaacttcca agagaatgga aagcctcaag 240

agatcatccc ctgcacaaca ttattggtga tatatcaaaa ggggtaacaa ctagacattc 300

tcttaaagat ttatgcaata atatggcttt tgtatctatg attgaacctt aaaatataaa 360

agaagccata ctagatgata actggatcat tgtc 394

<210> 22556

<211> 420

<212> DNA

<213> Glycine max

<400> 22556

taggaacca aacttgtagc ttcaatgcat gtaaaccattc ttatggctag gaatccaaaa 60

tttggtttta gaattataaa aaacatgaaa attaggattt gcttgtgaga gtcacgctc 120

tattttgggc tgcccatgt ttgatacttt acatagaggt agtgtggaaa acaccttgca 180

atagtgtgta tacataggta aatataagga gcatgaaatt cctagcaaag tgtgaatgat 240

tgtcttcta aatgaatgta tgatagtgtg gaatgccttt ttgaaatgca aatatgtgca 300

ggatgtaatt tgctttccaa tatgcatata aataaatatg agtgaaaccg taaaaatttg 360

tatggtgtac ttcaaagtga tgtaagtagt tcgtgatagc aaatgtttag gatataaatt 420

<210> 22557

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22557

agcttttgca agctggaatt atttatccta tctccgatag ccaatgggtg agtcccgtcc 60

aggtagtccc gaagaagacc ggcctcacag tgataaaaaa tgagaaggag gagctgattc 120

ctactcgggt gcagaacagt tggagagtct gcattgacta taggaggctg aaccaagtta 180

ccaaaaagga ccattttccc ctaccattca ttgaccagat gcttgagcgc ctgacaggta 240
aatatcagta ctgtttcctt gatgggtttt ctgggtatat gcaaattact attgctcctg 300
aggatcagga naagaccaca ttcacctgcc cctttggcac ttttgcctat angaggatgc 360
ctttcggcct gtgcaatgcc ccttgt 386

<210> 22558
<211> 402
<212> DNA
<213> Glycine max

<400> 22558

ttccacattg aattcagcac ctaatgtcat attagattgt aattgggtat cttaacatat 60
gagatttcag atggacttta atcctaatacc catagccgac cttttcacga gatctctact 120
taaccctttg gttaaataatgat cggccaaatt atgctgagtt ctcacaaact ccactgatat 180
cacaccatgc atgattaact cccgaaccat gttgtgtcta acacccaagt gtctagactt 240
cccattatac acttgactat atgccttagc caaagttgcc tgactatcac acctgataga 300
catgggaggt ataggtttgg gccacaatga aatctcatag atcagatttc ttagccactc 360
agcttcttta ccagctgctg ctaaagctac aaattcatat tc 402

<210> 22559
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22559

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ttggcctcac aatgaaaatg ggacaaagat ggataagcta agcttatagc taagaggcct 120
gaaacatgtc gaatgatgga tgatggacaa tgatgaatgg acagcgttga tgattggaca 180
atggacttgt gaattgtgac tgcaaccatg tgaggctttt ctgagtttca tacgaattat 240
tttagtagtg tgctgacatt tggccatgga tctcaatctt ctgaggatat angatacttt 300
catctgaata aagctaatac aggaccactc aaccaaacgg gatactcaag gcagatactg 360
ttcaactata catgtct 377

<210> 22560
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22560

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 aaanaagttt ttcaaatgat ttactgaaa atgaaaaacc cctcagttat tctccacaat 120
 caattcaggg tgggcatcag tattcacatg cccctcatgt tgggagatca tcagctggac 180
 gtccttctca tgctttggta acttttggat ttgggggaaa actcatcata atgaaagatc 240
 ctaatctttt gagctcatca tacggaagcc aggttaattc ttgattcctc atttgagttt 300
 tgattttttg ctttatctgg tttccgaaag gctttgaggt tgctcaatat tgtttccttt 360
 ntatcgtcta ctttcttatg agtgatttat caaatgatt aacactgtaa attcatt 417

<210> 22561
 <211> 306
 <212> DNA
 <213> Glycine max

<400> 22561

agcttgtggt ctattgaaca tattaaacct ggatagttga tggaaacatg aacagataac 60
 taatcagacg accgatatga aagacttcac agatcgaaat aacgttaact taaacaactg 120
 agttagtggc tgaacttaca aaaattattg gctgatgtaa gaaaataata ctaataattg 180
 acagtaataa gaagagtgtt aagagtacac tatagactgt aactagtctc tttaaccttg 240
 atggtccagt gtgtatcagt aatatctgag tgatacttat gaacatacta atttgaagcg 300
 agagta 306

<210> 22562
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 22562

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 tcctattgag ccagagttct actatttgta ttgcattact actaaagtga cctatactat 120

tgggtatacaa tataaatgac cattaggtat gtgttatggt ttacatatca atatcaatct 180
 cctgtcatgt tgtcctttgg ttctcttttc ctcctttctc agctatatat attttcacca 240
 actataaatg tatgatgtta aaactttctta ttaaacadat taaacaatac catacacatc 300
 atgatctggt taggcctggt aattttgcaa tcattcacaa tacaaaagat ataataaaat 360
 tctaacatga tttgatattt aagacttgga aaaatatcta taatgtctct agcatgtgat 420
 g 421

<210> 22563
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 22563
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 actacgtgag actagttgga tgtggggccac aggggatggt cggtttatgc gcacattgag 120
 gatgtggaag aactagttgt gcaccatcgc cgcaccgca actattacca catgtgatgg 180
 gtacctcata atactacaag cttgagatga ggaagtgttg aagggtgaga cttcctgctt 240
 ttattgttga ccacagagtg gtacctggat atatgtctcg gtggatcatga gacc 294

<210> 22564
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 22564
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 tcacctaggg ccatgtattc tgcttcagtt gttgaaacac taacaactga ttgttgattt 120
 gctttccaac tgattgttgt accaaacaaa gtaaacacat atcctgttaa ggatttcctt 180
 gtgtctacat ttcttgcaaa atctgcatct acatatcctg tgattgctgc ctcatgtgct 240
 gtcttcttgt accttaatcc agctatcaaa gatccatata gataccttag tgttcacttc 300
 acaacttccc aatgcgcact gccagcatct cccatgagtc tgcttattat acttacaaca 360
 tgagccacgt caggtctgct gcaaaccatt ccatacatta tgctttacac acc 413

<210> 22565

<211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22565

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 taaacgagat gagaattggc agaagcgaaa ccttctgggt gctgcatata gacttcctct 120
 tgaatgggtcc catttagaaa agcattgatg atgtccactt gtcgggtatc ccatttctg 180
 gtgactgtaa tgctcatgat tgtgcgaata gtggctgggt taataacagg actgaatgtc 240
 tcattgtaat caaggcctgg tctttgagat aacctttaag ccactagtcg agctgtgtgt 300
 ctgacttcag agccatcagc attgtatttc aagcaataga tccatttgga gccaatagcc 360
 ttctta 366

<210> 22566
 <211> 244
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22566

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 atgatcgga atggtgaggg cattcaaggc gtggttatcc acacaaaacc gccatgaccc 120
 gtcattgtttc ttcaccaaca aactgggaga taaaaaaggg cttgttctcg attgaatgag 180
 acccttatgg agcattaatg ccacttacgc ttccatttca cacttctgaa agtgtggata 240
 tcga 244

<210> 22567
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22567

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 attcataagc tcaataagc tccataaaag ctcttccaaa tgccccctaa accatatcga 120
 ttagttataa caatagaaag agaaaaaga aacaacaag aacaacgctg gttggtgggt 180

ctgaaagcaa atgtaaactt ggctgggcca gatatgtcca ttaaaaaaaaa cacattatgg 240
 tggatatgtcc caaccatggg tacttcattn tgtcaaacat atttgtatcc agtaacctaa 300
 aagggcattg ttggtagggg tagccacggg tcagactgga taggatctgg ggcattnttt 360
 gatctgatcc aatcaatntt aaatgggtta gatagaatnt tc 402

<210> 22568
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22568

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 gatattccct tcgatgtgaa ttaatgtgtt ttcaacttca gtttcaagtg aaaagatgaa 120
 gaataataag gttgttgttg ctgatgtctc gttaagcgag acttgtgcgc ttagcgagaa 180
 tcatccgcta agctaggcac tcagcctact tagcgagttg ggagaatctg gaggacaatc 240
 tgccaagcat ctgcacgctt agtgcgctcat caactcgctc agtgagccat ttgtcttctc 300
 ttgcgctaag cagtcaccgc tcgctcagcg gaaaatcact tactcgcaact tagcgcgaaa 360
 atggcgctaa gcgagccttc gagggacaaa aaacccttaa tagatg 406

<210> 22569
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22569

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 cctcttagct ttacgagttt gataatgttg gctcagcttc aatagaatag ggaaatgac 120
 tatectacaa gaaataacgt ttgatagaca acaatttggg aaagtatcag cttggagttg 180
 ccaaagctca gtcaagcttt tccaggattt caatgggtga acccttgctt tttacccatg 240
 tataagaata gccctccaag gttaaataatca ttcaaaccac aatcaaacac tacttctctg 300
 aaacctgtta tgagataatt cgggtgagaa gtttgaccct tcttttcatc ataggagagg 360
 atgttattaa agtcttccat ggtacaccat angagagaga tg 402

<210> 22570
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 22570

taacaccatc atgagcagca tgtctgtaca aatttaagat gttcaagatc taatactgta 60
 taaacaatca tcatacttta ctagttacat tttctcacat accgcaagga agtatccatt 120
 ctgagagaaa gatatggcag ttactggccc agcatgtccg tcaaacctag caacatttgc 180
 ctacaaccaa tggaggaagg taagaacata gagaataaca ttgaatatta aaattgaact 240
 ttaaacaagt ataagaaaaa atgtttacct gactttttac atcccaaadc ttgacaagag 300
 attctgtggt gccggttcca agaattgagac catccggatg aaaagccgca gatgtgtacc 360
 cttccgaaga acctgaagtg tcataaacct acacaactca tcattaattg tctgattcag 420
 aacttatgta 430

<210> 22571
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22571

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 agagagcaag aaatgaagag ccaatgggtg atacatggac ggagatgaaa aagatcatga 120
 ggaagcggta tgtgccggt agttactcaa gggacttgaa attcaagctc caaaaactaa 180
 cccaaggcaa caaggggggt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
 caaatattga agaagatgag gaggttaacta tggctcgatt tcttaatggt ttgactaatg 300
 atatccatga tattgttgag ctgcaggagt ttgttgaaat ggatgaattg cttcacanag 360
 caatccaagt agagcaacaa ttaaaaagga aaggagtgg 399

<210> 22572
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 22572

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gtgtggcatt atataagtta attaaaatcc aaggagcgaa atagttagag taaattgcat 120
agaattggtc acattaataa tgcaaagatg aaggttgac gtatagtccc tctgaatat 180
gcatttcctc agtcaaatta gtcctcatga tacaaatctc gataacgaat ttgactaatg 240
gaatataaat tcaaggatta atttgactat tcatatatat attcaaggac cttaaccttg 300
atttctatca tttaagaact aatacgaggc gttgtactgt atctttcacg aactaatttg 360
actatagact canatattnt aatatgagaa agaaattcag aagaaagtta gtagcacacc 420
ct 422

<210> 22573
<211> 467
<212> DNA
<213> Glycine max

<400> 22573

ggcgctgtg ctcatacact ggggacctta attctacgct ccgcgctcat ttgggaggct 60
atgaactcta ttgatctctc catgaaaggt tggatcaaat ggggaatata gatcataatg 120
attaagaaag gaggacaata gggaatgata gtgacccatg acaaaacctg cttgatggta 180
tttaactcag cattcctcca ttcatatgaa agaatgatcc tgaggcctac gatgcgtgcg 240
agatgaaaat agagcatgtt tcttcatgct accactatga tgaggaccac aatgcgaagc 300
ttgccgccac ggagttatcc gactatgctc gtgggtggtg gaacaagcta caaaaggaga 360
tagctagaga tgaagagcca atggttgata cttggacgga gatgataaag atcatgagga 420
agcgggatgt tccggctagg tactcaaggg acttgaatt caagccg 467

<210> 22574
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22574

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aatgcgatca ataagtaaaa gaccatcccc gatcngagat tggaggactt cataggaaaa 120
 agacagattc cccgatcaaag atcgggaagac agctaaagat aatatataga atggctcgctg 180
 gaccacacaa tatctgaata atgtacaaaa ttgtcacatg caagaatgat atgaaaaaca 240
 accatgactt gagacgcgatg aagcaatccc cttctttgtt accaaccaaa tctttgtgct 300
 cgcactctgtt tcacactgtg ccaaaagaaa acagaaaagg ataaggctga tatgctcaga 360
 gccaaatttg ccaccaaata caccattccc gaaaaagtca tgttacgtca tgattgcgca 420
 tgttatctgt gatttgatag gaaatgattt gcaaagtcaa gtcatgacat atctat 476

<210> 22575
 <211> 389
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22575

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 taggagcaag gtagtatagc caatcttttg tcactccctc tagagaatga ggaaaatcct 180
 ttagaaagat atgatcttcc tggacattag ggggcttcat ggtggaacaa aaaatatgga 240
 actccttaag atgcttataa ggatcttcac ctgcaagacc acgaaacttg ngcagcaaat 300
 gtattagtcc agtcttgaga acatatggaa caccctcatc aggatattga atgcacaagc 360
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<210> 22576
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22576

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 catgggccag caacaaaggc cgtaagtga tgaagcccct ccatgccaca tcaacaagag 120
 tttcgtgagt gtgggttggg ggtgtgaagg gcaagtcgcc atgatacatg attaagcccc 180
 ccaagagtgt tcaagcttgg tacattcgtg ccttcctaatt ttccaattag gaaactagcg 240

agtggttgaa tggcctgagg tttccgtggt ggagataatg taattcttta gttttaaccc 300
 tacagctggg cctaggcttt anggtttttc tccttgtaa ggcattatgt cttttgctat 360
 taagatatat aatacaagat ctttccttca tctattcttg catcttcacc cattctcatt 420
 aat 423

<210> 22577
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 22577

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 atgtttgaat attcttatcc tgccttatct atcttacaga agtctatccc atgccgaaca 120
 tatcaacatc caacgtccta gactatctgc aatcaacaac tatagatggg aatcagagtc 180
 aaaagacatt aattaccttc ttagcgagag tgttggtttg ttcttgtagg gccttatcct 240
 gcatcatctg aacataacat ctaatccact aattgcatag atacaggatc tatctacaca 300
 cgactgcggg ttgctatcat aaaaacatga attccacttg atctaaccat tacttcta 358

<210> 22578
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 22578

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 tatcaagtac atagtccttc aggtgcaagg gaggattact ttgtcttttg ggctcagcta 120
 tttgccactc gtttctgcta gatgtatcat taccaccgtc ttcaaataac accttgctct 180
 caagggtgatg aagggactta aggggtgacc attcttccca cgatgcttca tcaggatgaa 240
 gaccctgccca ttgaactaac actgggtgct ttgggcctat gtccgagggc acgatcttgt 300
 gagccaagat agctaaggga actggaaccg gttgggtgtc catggccaat gacggaagg 360
 gcatagcttg ttctgatgtt ggagatccga tgaagggttt taagatagag caatgaaata 420
 c 421

<210> 22579

<211> 378
 <212> DNA
 <213> Glycine max

<400> 22579

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 aagcttagac gagcccttgc agttcataat cagtattttg tagatgtcta cttgcgcag 120
 catatactat agttaaacta ttatacagat gatgggcata aacttattga agcctaaaga 180
 taaagagtat actgggtgcc tgtgtggtga tgtgctatgc taaaagcacg gaacttggt 240
 cccttggcca agttgtgtta gattcactta acctggttgt acagtgcata tacaagtctt 300
 tactcattta agacattatt acgatgtgta tatgctagtt aatatcttga gggtttctgg 360
 gcttcccaat acaagaat 378

<210> 22580
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22580

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 tagatggatg tacaatctca tcacttatct tttcttttga ggtgttcaag gtgttatcgg 120
 agcttttttg aactatttaa aaatttatag aaagcttttt atagaaagaa tttaaagtga 180
 agagcgtaag ttcataacca tgtattcaaa gattctagta tttataggtc ttcttcaaca 240
 agtgttcatt gtttccatat ggatagactt gagctcgcgt ctaaagattg tggctgctag 300
 agaatttaat gcttgctcta aatgcatgta cttcttcatg ccggaacc acccttctga 360
 gcctttatgt tactt 375

<210> 22581
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22581

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acgggttctct cttaaagctt ggttctctgc aggtcttcac acagcaaaat ctctcaaaac 180
tctntggaac ttggaccttt ctctctctag aaatctctaa tcatgcaaaa gcttcgagaa 240
ctgccccaaac tcctctccaa aatctgattt cagacttaaa taggtggctc tgtttatgcy 300
tgcttgcaag cttagggcaa ctctgaaccg cttagccgc attagtgaat ntcggcttag 360
cgcgtgcttt tctcgctcag c 381

<210> 22582
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22582

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gcattagtct ttttagattga catgatgcat aaaataggat gtttcatgct ataaaactaa 120
ttccttttta gggttatatt taattttaaa ttctgttgaa tttttctcg ctcccttctt 180
gtgtggatgc agatgctgaa atcaatttcg gccaggaact ctgttaacag tgaccaaatt 240
aataccattg agcttgaact gcttttcata tacactntct gtgcttatga tatacaaggc 300
atgctgaatg acttangatc acattgtttt gtctgattt aacttcaaca aattcatgct 360
ntatttggtg attctattgc agtataatgt ttgttaacaa ccaattagtg gaaagtgg 418

<210> 22583
<211> 405
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22583

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gaaaattttg caaggataaa ttccaaacat tttgatattt ataagaacaa aaaatatatt 120
ttagccttgt ttttattggt aaaaaaaaaag agaaatgcta ctaacatact ctttaacaca 180
ctccttcata cacactttct cttatgtgtt aaaatgtatt tagttgaaga acaagttcca 240
caaaatcttg aacctaccaa gtgtgatggg tgggattggg atgagtggga tcanttgcca 300

caccctttgg ttgggcctct tgagaaaatg gtcaaaggag ctttcgaccc atttccaatt 360
 tgattctggg aattggtaat gatctttttg tgaggattct tggat 405

<210> 22584
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22584

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 cttttttcttt cctttttctct ctctctctct ctctaatacca acgatcctag cctctcttcc 120
 ttctctttct ctacccttgc cgtctcttat ttctactcgg aaccttctt gcccttgect 180
 ttctctctct cacctccatg acaacctcga tgacaagttg ttgccttcc cctctttctt 240
 tctccctcca aatctaggac tccgacaatg acttctctct catcaagtcg gtccttccac 300
 ctctcttatt ggtcaaccc tgacactgtg caccactgtc tcttctccg atggatgcct 360
 ctacatcgac aaccagattt gcgaggggtg anggtggagg cnttgcgagg gtggacttg 419

<210> 22585
 <211> 402
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22585

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 ttttaattca agattgaaat tatttctctg taagttgaaa tccaaatggg ctgaaccttt 120
 catcatcagg aaagttcggc cttatggtgc aatagagttg tatgatccac aatttcagga 180
 ccttgactga acatgggttg tgaatggcca aagattgaaa ctgtaccatg gtggagagtt 240
 tgaaaaggca aacaccatct taaatttgat ataaccatt gaggtatatg cgtcaggcta 300
 atgacgttaa aagagcgctt cctgngaggc aaccaactc tgatttcttt cattntgttt 360
 ttcatgcatt gcataagttg gaatttgctn tatgatcatc ga 402

<210> 22586
 <211> 429
 <212> DNA

<213> Glycine max

<400> 22586

tggagaggat gcttcaatgg aggaaaagaa agagggatat aaagatagag gggggagcac 60
gaaattgaag gaagaaaaag ggagagaagt tgaactttga gttgtgtctc acaagactct 120
cattcatcaa agttacaaca agtcttacac atgcttctat ttcgcggccc aacaagcccc 180
ttgacacgcg gagatttacg tcatcttccg cgatcacaag atttgtcata ctgacatttg 240
agtcacgctg acaggcggag atacccgagt ggttatccgt gtaatctttc ttttgctatc 300
tctaagactc aaagcatgat agctagctga gtggataaac gtgcagatat atattatgcg 360
ccctttatca ttcagattcc gcaagttggg tgataaacgc gcagagacaa attctacgcc 420
ctttgtcat 429

<210> 22587

<211> 391

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22587

agctttctgt tcttcttaac gagattctcg acgtactacg ggacacaatc ggacatccca 60
gtcaaaagtt atcgctcgatt tgaatctgta gatagcttac gttttcaatt atgagcgtca 120
cgatatattc gggacacatt cggacaaccc agtacaaagt cattggcgat agaatctgct 180
catagcttcc gctttaccat ctcgatacat gaatggatgc attcggacat ccgaataaaa 240
tgtcattgac gggtgatttt gctcagagct tctgttctga attttgagcg tctcgatata 300
cttcgggacc gattcggaca tncgagaata aagcactggc gtaaaatggc taagagctac 360
gttttcacat acgacatcgc gatacgtacg g 391

<210> 22588

<211> 250

<212> DNA

<213> Glycine max

<400> 22588

ggatctacgt accctacaac caatggaagc aatttatttc taaaatatta ttattattat 60
tattattatt attattatgg ttgtcgtcct taaggatgtc aacgggataa ggcaaggcaa 120

aaagtactta cctgctcccc atccccatcc ctgatcctcg tcgaggacaa cttatttccc 180
catatttgtc cttcgtggga ccatcaattt tatatatata tatatatata tatatatata 240
tatatatatt 250

<210> 22589
<211> 401
<212> DNA
<213> Glycine max

<400> 22589

agctttagg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgtagccac 120
ctccaactga gtcacgtac tcccacgtag tccatatacct cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccccaaca tcaaagtaat gcaacattca aacagcacia 240
actatcacag ccaagaaaac agagcaaagg cagaatactc tgccaaaaca ccaacaaaa 300
tcacagcttt tctcacttaa agaccccagt aacaattcct tcgttccaat tcgttaaccg 360
ttggatcgac tccaaatfff tactggaagt ctctagtaca t 401

<210> 22590
<211> 408
<212> DNA
<213> Glycine max

<400> 22590

ttgagcaaat tcaagcaaat tatcactfff tactcggttg tctgtttgag tcccgtata 60
tatcgagacg ctcgaaatgg aacaccgaat ctctgagaaa attcaaacga caataacttt 120
ttactcggat gtcagattga gtccagaaat atgtcaagat gcttgaaatt gaagacaaaa 180
gctctgagcg aattcaaacg acaataactt ttactcggga tgtgtgactg agtcccgtaa 240
tatatcgaga cgctcggaat tgattatcga agctctgagc aaattcaaac gacaataagt 300
tattactcgg atgtctgatt gagtcccgtg gtatatcgag acgctagaaa ttgaataaccg 360
aagctctgag caaatgtcaa cgataataac tttttactca gatgtctg 408

<210> 22591
<211> 397

<212> DNA
<213> Glycine max

<400> 22591

agctttggct gtcttcagct ctgatttcgt gagtatttat agaagatgac gcattgtaat 60
cgattacagg tattggtaat cgattacagg cccaataagc cttctggtaa tcgattacag 120
gatgttgtaa tcgattacag gctgcctggt catgtgtaat cgattacact ggatggtaat 180
cgattaccag agcctatcct aggctagttt ctaagagaat atctatatatt atgctcaaat 240
acatcctata tgactaattt tcactactaa tacactaaat tcaatcatcc aattactata 300
tacacaagaa atcataaatt ctatcataaa aacaagaatt caaacatgat caaacaaaat 360
aatctacaat caaaaggtaa aaagtaaadc aaccaat 397

<210> 22592
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22592

tagaatactc aacgcttggg tattntggga tgctttcatc catgtcgggg cgttggtgat 60
tacgtgggag tctccttcct ttttctctgc gccactact agggctcttc tgttggtggt 120
ggggggccaca ttgcaagcat attcgaactt gccttttcgt agtccgaatt caatcctttc 180
tccggcgaag acgagatcca caaagttagc tggcatgtag cctataagct tttcatagta 240
gaacgtgggt aacgtatcta ccataattgt gatcatctcc atttccgtca tgggcgggtac 300
gaattgggct gcgagatctc tccatctttg ggcataattcc ttaatggact catgctctcg 360
cttagtcata ctctgaagct gggtccgacg gggagccatg tccgtattgt actggtactg 420
cctaataagc gaagttgcca agtcct 446

<210> 22593
<211> 392
<212> DNA
<213> Glycine max

<400> 22593

agctttcaac attacatatt tggccttgcaa ccataagacc attagcttgt ccactcttga 60

aggttatggc taattagtta aggtcattaa tgataacata aatatttgaa acatttgaca 120
aatgactaag tagcttaaatt gtaccatatt ttttggatca cacaaatatc tactaccaca 180
gtaattacat gttatagttg attccttcat ttgattttta gaaataacct tgaattgatt 240
ataaacaaca aaaatttacc ttttaccact tgtatttgac tttcattttt gtgttggttt 300
tgggagttaa cattagaatt agcttttata gttacatttg tttcaattgg ttgtttatta 360
ggttaggggt catcaccacc acctcttggt tc 392

<210> 22594
<211> 425
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22594

ntgaagacat gaaagagAAC taaagtgtc attatactta ttcttttggt aaaaagctct 60
ctgtgtaaat tcttgtaaag tttagaaaaa ctctcaaaac atttgttcat cttgagggaa 120
aggactaagt gctaaaattg cttatttgtc tgtaagacaa taaagtgtc gtcattgtgc 180
aatcaaccaa caaatctttt attttggtgt acagacaaca atgacttggt agattaaaga 240
atattgggtg taacaagctt ggagtaaaac ttaggctaag gatctagaag tgatagtgat 300
aaatacttgt aacttggtga agttgggtga acttagtggt ttgccatgga cagaacgtag 360
tcttggtgat tgagacgaat gaatataaat ttcctacgtc ttaatcttat tattttctct 420
tctgc 425

<210> 22595
<211> 392
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22595

agcttctact tatgtggcag ggcgggcttc cttcaccttc ttgtctccaa cgcgaacttt 60
gaccattgtt cttccttccc gcgatgttc ttttcatgtc tgctgagtg ggcttatagc 120
ctaaaccata cttcccacga ttaccttggg tatttatcag tctagttatg ccgccgttgt 180
tttttctaa acccatcccg ggctcataac cgttcccaa cataactcg gccatcatta 240

ccgctgcatc ggacagactg ggctgcccaa agagggagtc cacggaggaa atgttgacca 300
cctcaaaaga ctggnanagca gtttctaacg attcttctgc ggcttcaca taaggcatgg 360
aggatgggca gcttaccaag atatcttctt cg 392

<210> 22596
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22596

tgccgccacg gagttttccg actatgctct tgtgtggttg aacatgctac aaaaggagag 60
agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120
gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccba 180
aggcaacaag gggggtgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggagg taactatggc tcgatttctt aatgggttga ctaatgatat 300
ctgtgatagc tgcangaagt tgttgaaatg gatgatttgc ttcacaaagc aatccaagt 360
gagcaacaat taaaaaggaa gggagtggct aagaggaagt ttaccaactt tggttcttct 420
agttgga 427

<210> 22597
<211> 382
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22597

agttttagc ctgttccaag gttcaatgtt tgctaaaaaa ataattgaga ggaggtatct 60
gggctgtaga accatgaatt gtaattggtc aaagattaca atttttttaa aaaaattata 120
cggtcactta gaattttttt aaataagaaa taaaaactaa aaatctaagt catgcaatct 180
tatatgaatg attaagatat taagtttata atcatatatg atacttaaaa gagtaattac 240
atttcacata agtatataag tagcgataaa cacaaccgta aatcttataa tacaagggtga 300
taacaaatga ggtagttta ctattgcccc tctaatactc gagattttnt ttcttctaata 360
tactacattt gcgaaattga ac 382

<210> 22598
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 22598

aactacgctt actctaatat ataattaacc gcattttctc tactattata agaaagaata 60
 agggggctaataa ataatgtgaa aacacaatac tggaatttgt tcaactgttta tgttggttctg 120
 aattttctttt ttttgaataa tgctctcaat atttttccat gcttgatttt tgcataatcgt 180
 gatgtttcaa ttaattaaac tcgttcagcg tccagatttt aaaaaatata actgatacat 240
 attagtatga aagatgtatt ataattgtat atttgatgg tcgtcgagag agactgacat 300
 taagaacaat tcttcttagt acacatttgg attgggtcta gcttggttaa tgtatcagaa 360
 gtgtactata attg 374

<210> 22599
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22599

agctttntag ctcatgctac aggaattggc aaccaacgtg gcttgtgatg tttctctccc 60
 agccgacaat tatccctttt ggttggccca tacaagtgag ggacattccg tgtatttcac 120
 tgtgcctgag gattgtcgct tgaagggaat gattctatgt gttgtatatt tatcaacccc 180
 tgaaatcatg gcatccgaat gtctaattag tgtcttgata gttaattaca caaagtgcac 240
 catccagata cacaagcgag acacagtaat ttcctttaat gatgaagatt ggcagggcat 300
 aatatcacat ttgggacctg gagacgaagt ggagattttt gtgacttttg ngcatagatt 360
 ggtggtgaag aagacagctg tcta 384

<210> 22600
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22600

tgtaggttat agtgacaatg attgngctag atatgaatat gatttataaa ttactagtgg 60
 atttatgttt tcaaggggaa tacaaccttc acttggatgt caaaaaagca tttgatagtc 120
 actttttcga cctgtgaggt gaaatacata gcagctactt catgtgtttg tcatgcagtt 180
 tggcttaaga atttggttaa agagtttagc atgtcacaag aagagccaac caagatcttt 240
 gcggacaata ggtcagggcat tgctctagca aagaatccag tgttccatga tcgaagcaaa 300
 catattgata cctgtttacca ctacataagg gagtgcatag caagaaagga tgtacatgta 360
 gaatatgtga agtctca 377

<210> 22601
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22601

agctttgagc caaaatcctg actcaccata aaccttgacc caggggtgaga atgtcaatcc 60
 ttaccctcgg aagcaaaaaa gaatagaagg gaaatttcca atcaaagaaa aagagaagga 120
 aaatttccaa tgaaagcaaa aaagaaaaga aggaaaattc cccaatcaaa gagtgggaga 180
 aagcaaaaag aaaagaaagg aaattcccaa tcaaagaatg ggagaaagta aaaaagggaa 240
 ggaaagaaag ttcttgaagg aaaaacagaa ggaatatgca gagaggtctt tggaccggac 300
 aatatctgaa caatacagaa ttgtcaccaa atgaacgaaa aaagaaagat aggggaaccac 360
 gacctanaat agtcttctcc ctttgat 387

<210> 22602
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22602

tacctttgtg agaatttgag ccattcatca tcttaatctt ttggtgtgtt ttgccccatt 60
 gattgcttgc acaatagcct tggcttaatt cttgttcatg cttcctaatt cacatgcata 120
 tttggaaatg atttaggcaa ttttgttctt ataagcttct agccaaatgg acttaccttg 180
 aattaattcc tttgatagcc cctttgagcc tatgttcccc tttctttgtt ttgaagctca 240

ttacaagcct taagtgaaaa accatgatat caccttacct ttaaggaatt ttggagcttt 300
 ggaattgttt tgggaataag ctgggaataa gtgtgggggg gtatgtttca ttggaagata 360
 tgatttttgg ccatgcttaa tgtntaatt tggcatgct tgatgtatnt gtata 415

<210> 22603
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 22603

agcttttggg tttctttttt gatttctcag tataagtga ctccttcatg agtgggtttg 60
 tagagcataa aaatatatca tcaagagtgg cttttttttt aaaaaattgt catcttatta 120
 tgtcttttgg aaaattctta atatagcttt caacaatatt agtagcgacg acatatatta 180
 tttactatga ggaaattcct attgcctccc tgttgattga attcaaagtt tgaagaaact 240
 gttgctgaca tgggaaatgt ggacaaagac aacaagacag gataaaaggt tatggttcat 300
 tcattgacag aagataggac aaagtttatg gggggaaaaa gtgggtggga tgtttaaata 360
 tataatctgg tttctcaata 380

<210> 22604
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 22604

cttgaagagc tagcttccat cgtcaaattc tcaccgttat tatcagcttt gttgatttcc 60
 acattactca ccactatttg ttgttggtgt tgtagttgtg ggaccaatgg ctgcacttgt 120
 ggggcctcac gaactgttgt tgcttggtgt tgttggtgtg ttggagttga tgttggtgtt 180
 gcttggtgca ctggttgctg tggaacaaca gtgatgctgc tgttattcaa tgctgggttca 240
 agattgatag tttcttggtg ctgatgttcg gctatctttt gcataaatgt cataacagca 300
 gcactctttg ctgcggcaat ggacctctct tgtgctagaa tctccctttc actgttgatc 360
 ctttg 365

<210> 22605
 <211> 361
 <212> DNA

<213> Glycine max

<400> 22605

tttcatgcaa gcttggacac tttcaatatg attgtcctac gtgggaaaag aaaccaaatt 60
atgctgagat ggaggataaa gaggaacaag aggatgagct cttgttaata accttcatag 120
attgcataga agggaagaag gatgagtggg ttctagactc gggatgcggc aaccacatga 180
gtagtaacaa ggagtgggtc tcagaattgg atgagaactt tcggcacaat gtaaggctgg 240
gtaatgatac tcacatagct gtgaagggga aaggtagtgt ttggatgggt gtgaatgaga 300
ttatacatgt aatcacacat gtatattatg ttcttgaact caagaataat ttattgagta 360
t 361

<210> 22606

<211> 472

<212> DNA

<213> Glycine max

<400> 22606

gggccgactg ttgttgaaac ctgcgtttcg tgacctatga aactcagctt gaggagttga 60
tgcataggaa caatttactt ttaagtgggt cctaattgga ttcctaattt tcaacttacc 120
tatttgatg tgacatcatg gcatataggt cccaactttc catcgtggat tcagtcacaa 180
aaciaacttc aatatgttgg actgtctaac acggggattt tagattctat tcccacttgg 240
ttctgggaac cacactctca gggtttgtat ttaaactct ctcataatca tatccatggg 300
gagcttgtga ctacattaca aaatccaata tctatccaaa ctgttgatct aagcacaat 360
cacttatgtg gtaaattacc ctatctttca aatgatgtgt atgacttaaa ccttttcacc 420
aattcattct ctgaatccat gcaagatttt ttatgtaaca atctggacaa gc 472

<210> 22607

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22607

agcttgtagg gttaaagtct cactattgtc acgtgctcat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aacaaagtca ggtagccat aactcgctg tgctttttct 120

tccatgctat atgtagcaaa gtcattgatc ctatcaagtt tgatgagctg gaaaatgagg 180
ctgcaattat actgtgccag ttggagatgt attttcccc tgttttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcaaagaaa tcaaataattg tggctctggt tatctacggt 300
ggatgtaccc ggttgagcaa tacatgaaga tcttanaagg gtatacaaag aatttatatc 360
gtccagaagc atcta 375

<210> 22608
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22608

tgatattaaa tntaagtaaa ttacttgcaa ttcaaaatgt taaattaaat ttaattgcta 60
ttatgtatca cgcagtttat atgtaattta ctttttactt aatgattgca aaataatgca 120
agttatatatt aatttaattgt ttagttaata ttttgtaaga gttttgttta gctgatatat 180
acatggaact agattgcatt aaagttagat tttttaacag aaaagggttat ttaagtattt 240
tgattttaga ataaaataaa aggaaatgta attggccctt gtgcttattt aatgtcaaaa 300
ttcctaatat ttttagagg catttgggga agctttcctt gaacacaagg actgttctag 360
ggactcaaaa gtgaccaagt ttttggtttg gttgtggctg gaggcttctt tgttctgttc 420
tttgtgagac 430

<210> 22609
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22609

ggcatgggat tgtacgtagc tatgacgtga cctatagtat gctcaagctc actntaagac 60
tatatattga tttcttttagt ttgcattcta tgtgttcctt tccctcaact gagaacctca 120
ttggttggtc catataaaca ttctcctcta aatctccatt tagaaaggca gttttcacat 180
ccatctgatg tagctccaag tcataatggg ctactaatgc catgataatt ctgaaagaat 240
cctttcgtga gaccggtgaa aatgtctctt tataatcagt tccatatttc taagtaaadc 300

ccttagcaac aagtctagcc ttgtagcggt caaggttgcc atgagagtca cgtttagtct 360
tgaagaccca cttacaacca actctcttac aaccctttgg taattctaca aggtcccaaa 420
ctccattatg ttccatggaa tttatctctt ctttcatgac atttaaccac ttctcagaat 480
tatcgcan 488

<210> 22610
<211> 403
<212> DNA
<213> Glycine max

<400> 22610

agcttaaaca ttttatttcg agcgtctcgt tatattacgg gactcaatca gacatccgag 60
taaaaagtta ttgtcgtatg aattggctta aagcttaaac attcaatttc gagcgtctcg 120
atatattacg ggactcaatc agacatccga gtaaaaagt attgtcgttt gaattggctc 180
agaggttcaa aattcaattt cgaacgtctc gatatattac gggactcaat cagacatccg 240
agtaaaaagt tattgtcttt tgagttggct cagaggttca acattcaatt tcgagcgctc 300
cgatatatta cgtgactgaa tcggacatcc gagtaaaaag ttattgtcgt tcgaattggg 360
tctgaggttc aacattcaat ttcgagcgctc tcgatatatt acg 403

<210> 22611
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22611

tacgacaata actntttact cggatgtctg attgagttcc gnnaaanatc gagacgctca 60
aagttgaatg tttaatcttt aagccaattc atacgacaat aactttttac tcggatgtct 120
gattgagtcc cgtaatataa cgaaacgctc gaaattgaat gttaagctt tgagccaatt 180
ctaacgataa taacttttta ctcggatgtc cgattgagtc tcgtaatata tcgacacgct 240
cgaaattgaa tggtgaagct ctaagcctat tcaaacaaca ataacgtttt actcggatgt 300
ccgattcagt gacgtaatat atcgagacgc tcgaaattga atgttgaacc tctgagccaa 360
ctcaaacgaa caataacttn tactcggatg tctgattgag tcccgtatta tate 414

<210> 22612
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 22612

agcttcttca catttccgcc ttgcttgac cttctttatg cttaaaaaca gaaacattat 60
 gcataggcaa aagatcaaga ggagtttagtg ggtaaaaacc ataaacaact tcaaaaggag 120
 aacaattagt ggtgctatga acagctctat tgtaagcaaa ttcaacatgg ggtaaacaag 180
 cttcccaagt ttttaagttc ttcttcaaaa ctgtcctaag caaagttccc aaagtcctat 240
 taacaacttc cgtttgccca tcggtttgtg ggtgacaagt ggttgaaaat aacaatttag 300
 tgcccaactt gtcacacaaa gtcttcaaaa aatggcttaa gaacttagag tccctatcac 360
 taacaatgct ccttggcaaa ccatggagtc tcacaatctc ctt 403

<210> 22613
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22613

cacatgagtt tgacaaacct ttaccatat agtttttact ctctggtaat cgattaccag 60
 attattgtaa tcgattacca gtagcaaaat tgttttgaaa aagttttcaa attgaattta 120
 caacgttcca attattttca aaaagctgta atcgattaca atgtttgggt aatcgattac 180
 cagtgccttt gaactttgaa attcaaattc aaatgtgaag agtcacattc tttcacacaa 240
 aagctttgtg taatcgatta cactaatttg gtaatcgatt accagtgact gtttctgata 300
 aatcaaaaaga tgtaactctt cacaaggggt ttgactttnt caaattgngt ttaagttggt 360
 ctaaaagtta taactcttct aaatgggtctt cttgactaga catgaagagt ctataaaagc 420
 aag 423

<210> 22614
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 22614

tctttcaagc ttattgcaac ttattcatat acgcaactga acgatagctg acgagaaaac 60
gtatatgctc ggacttaatg cgggctgcag caccggctcc gcttccttaa ctgtactaca 120
ggcggttgcc gaggtcttat cctctatggt tctatggagt ttcaacatga cctgtgagat 180
agaagacaca tgagacatta atgaccttct tatcgacagt gttgtttagt tcctgtaggg 240
ccttattctg catcatttga acataaaatt aaatccacta attgtatagt tagaggatcg 300
tccacaaaac actgatgggt tgatataaat tataaattag ttcttcaata tatttaatga 360
ttactaatat tgaaattaca tatgtataat acatctgacc t 401

<210> 22615
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22615

tctatcaagt ggtaatcaga gcacaagagc ttcaagtatg tgctccttaa acctccatta 60
attnttttgc tttaccttct ctccattgg tgtttcttca tttttctcc atgtatctcc 120
tcacatgtct tgtgctaaat gttgttaaca tgattcttta gagtttccac cgattaaact 180
tgctacagaa gctagatttg attttctatg gttcanattt cttgttcttg ttcttgaacc 240
gtgaattgtg ttgagtttaa gttcctttga gttttgtctt gttatttttg tggctgagac 300
ctaaacaata naattcttac aaaaatatta tagtagaaga aaacctcana aatctagagt 360
gactttgttc acctattgta gtttgtcata gaagtcatgt ctagtcatga aacttatc 418

<210> 22616
<211> 354
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 22616

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accgcattca cctgtccctt tggcactttt gtctatagga ggatgccctt tggcctatgc 120
aacgcccctg gtaccttcca gcggtgtatg cttagcattt tcagtgattn tttagagagt 180
tgcatagagg tttttatgga tgattttact atttatggat cctcttttga tgcatgtttg 240

gatagtctag atagagttct caatagatgc attgaaacta accttgtgct aaattttgaa 300
 aaatgtcact ttatggtaaa acaaggtata gtcttagggc atatcatttc tagt 354

<210> 22617
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22617

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 taticcttaaa gcaagaatgg catataacct cctcccataa atacaaacat caatgtaaata 120
 ttagagcaag cttatgcgca tatttcctta cgaacgttct cttgcacaag acattctatt 180
 aactaagaaa aatgcaccca tacacaatca aggcagcttc gttacctaga ttatttacac 240
 gtattttcaa ggtgtatttg ttacttacat cacacacatc tccttggcta aatttacata 300
 catgcatact caaagcattt tgggggtacca aaaattgcac atgcgcacat cttgggtattt 360
 ctaacaccta tacatacaca aacttcatga tgaatcttga ctatcttcac aaaaagggtgc 420
 tacact 426

<210> 22618
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22618

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 ctattttcag attgngaattg cctctaacag cacctttgtc aatgattttc ttcattgcctc 120
 ttaagtgcag atgtccaaat ctttgatgcc atattttgac ttcattcttct ttggagaata 180
 gacatgtgga ggagtaactg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240
 tgctgccctt cattagaact tcactcttct catttgtcac taagcattct gactttgtga 300
 agtttacatt gaatccttca tcacacagct gactgatgct gattcaagtt gtagtcagtc 360
 ccttcaccag cagtactttg tccagactat gaagtcacatc atggact 407

<210> 22619
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 22619

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agtcttttta catctttggg ttgttctaag cacgagaagg tgacgggaag aaaaggggaa   60
aacactacgc atttcctagg tttttctatt tgatcacttt aaggtaaag tttatgaccc  120
attatgttag atgagtatgt tataacattg attagtcatt ggctgtgaga aaaagagttg  180
gaaactaagt attagagatt attatgattt tctcaaaacc ctaggcttgc taaaattggg  240
gattttgtct aatcccttgt tccattatct aaatgcttag gttctgtgga aaatacagtg  300
gttgaccttc ctaacatcgg tagaagtaa tgattggcgt tattaggtga gtagctaata  360
tacttagcga ttttcttata gttcaattat ggaga                               395
  
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<210> 22620
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22620

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gaattacaca atanaacatg ccttggtcgt tttaaatttat ttccctccct tgctacaatt   60
atatttcact taattggaca aaacttatgt acaattttat tatgggtaat ggtattatta  120
ctctatgtca tattgctcgg tttttttttt tttaaataca cctttttttt ctaattttatt  180
gtaatttaat ttccaatata cttgagactt tttctctcct ttttggtttt tttactttaa  240
aatattatca aatataaata ttatattata taattttttt taattggntt aaaattactt  300
atztatcaaa ttaaattata taattatgtn nttaattttt tttactaaga tggactaata  360
ataaaataaa caagataacc anatataatt gtttacgttt gtattgataa tcaatata    418
  
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<210> 22621
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22621

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agtctctctc ttttcttcgg ttgccgaggg cggctcctcc gtggacaaaa ctattggttg   60
  
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tgtcgcgatg ttgggttgag gcaacgtgct ggggtgccggc ccttcgggga tcgggggata 120
 gaactcgaca tcccttcgag catagtcttg aggggtctttg tgggcctcgt cgggctgttg 180
 agaaggttct ctttcaagga cgggagaagc aatatggacc gcatcgtctt gcaagacggg 240
 tggtagtagg ttaggcggca atccataagg gtaagccgct cggttgtatc ccaggtagg 300
 gctgccatcg tgccctagtg tgtcatttcc ctgtcctact atgttngagg gaggatggg 360
 cgcagttgcc aagagagttg ggtct 385

<210> 22622
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22622

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 tagcgcagca gggcacttag ctcaacacat gacaaaggct tagcgcacag acacgcttag 120
 ccttattcaa aggaaaactt acaaaagcat agtggcgctt agcctgatag gccaggcttt 180
 gcgctgaaca aaaattctca aaatcttaat gtctgaacac tagttctgct tagcgcacag 240
 acactcttag cgggctcatc acttacgttc atcagtatgg atgaacgcgc gtancgtgac 300
 atgatccgct tagcgcgttc atctggaaat gtaatattct aacaattgct atgaacaggc 360
 taagcgcagc acgtgcgctt atcacgttca ttgcgatt 398

<210> 22623
 <211> 381
 <212> DNA
 <213> Glycine max
 <400> 22623

agcttccaac cctacccta cccctctctt aactcattcc caattatgga tgttaacaaa 60
 tccgcattga aagtatgacc aatgatattt tataacatgt ttgggggtggg tgcataattt 120
 tagtttttga ttttcaaatg taatttttga aataaaatgt gcttgacaac aatgattgaa 180
 ataatttata actcattcaa agataaaaaa gatttataaa tttgggtttt agtttttagaa 240
 aaacacattt ttcttatatt tgacaatgac cattttcgct accaccacca gcacgggtgg 300

tctgtcacca ccaccattgg aactacttag tggcaaagca cggcccaatt agttaaaggg 360
gccaaaatag ttaagcaacc a 381

<210> 22624
<211> 413
<212> DNA
<213> Glycine max

<400> 22624

tgccttgccc cttgatatat ttgatggact catgggttct atgaatgaca aattccttgg 60
gataaaggta gtgttgccat gttttcaaag cccacactaa ggcaaacaac tctttatcat 120
aagttgaata gttaagggta ggaccactta acttttctact aaaataagca attggatggc 180
cttcttgcaa caacacaacc ccaatcccaa cgtttgaagc atcacactca atttcaaaag 240
atttttgaaa gtttggcaac gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300
tgaaagcttc ttcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360
ttagaggtgc tgccaatgtg ctaaaatcct tcacaaatcg tctataaaaa ctt 413

<210> 22625
<211> 377
<212> DNA
<213> Glycine max

<400> 22625

agcttgctag agaagccatg gctttctgta tgatgagttg ctactaatgc tttggctttg 60
atatgttgct tgaatctcat cttcattgcc acatggccaa cttcatttat ttgtgtagaa 120
tttgcaattc attcatgtca tgccatgtgg tttcaagatg aataagccta tccacttagt 180
tgcattcttt tgaaagataa catactacgt gtgctgattg agcggcaagg tatgagaaga 240
tgcattatct ttatacagag gattagctta tacaacttac gtaaattgat ttacatgtta 300
atttgatata ctgtcagtta cagatatgta tactattaat taattaatct aacttttgaa 360
ggactaatca taaaaat 377

<210> 22626
<211> 402
<212> DNA
<213> Glycine max

<400> 22626

ctcagcttac catcgatggg acaatggtac cctttgactc tcaacagacc cagaattctg 60
acaagctgcc ttctcaagct gtccaaaatc ccaaaaatgt cagtgccatt tcattgaggt 120
cgggaaaaca gtgtcaagga cctcaacccg tagcaccttc ctcatctgca aatgaacctg 180
ccaaacttca ctctactcca gaaaaagggtg atgacaaaaa tttacctaac aatttctgtg 240
caggtgaatc ttcttccaca ggtaattctg atttgcagaa gcagcacatt cccctcttc 300
cattccctcc aagagcagtt tccaacaaaa aaatggaaga ggcagagaaa gagatcttgg 360
atacattcgg aaaagtagag gtaaacatac ctctgctgga tg 402

<210> 22627

<211> 360

<212> DNA

<213> Glycine max

<400> 22627

tcctgcttca tgcaatcttt aacaacggtg gcacgcctcc ttcgatgatg agtttcccgt 60
aacggtcggt gtcgcgagca agggagacga gggaagcggc tgcgtctgaa cgttcgtcca 120
aggaagcacc ggagagaaga atggcgacct gttcccagat gatgcagaga atgggctcgt 180
tggcggcgat gggagggagg cccaggtact cgtcgtagcg ctgcgtagcg gaggcacgtg 240
ggacgctcgt agaggctcgt gctgttcttg gcggcctggc ggatgaggcc cgccaacttc 300
ttcagtttgg atttcagctc cagacattcc tgtcggaaat tctggtcctc ttccgcaagc 360

<210> 22628

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22628

ntgatgcctt gcttggactc ttgtttgccc tttaagttgg tcgaagattt ctgaagttt 60
ttattttgac cgacgtattt tcgacatatt tcgctatatt tcatgttttc aaaatttttt 120
tctttttttc ttttttcttt cttctttaat gttgatgtat tgtattctcc aaactaaaag 180
tgttttcaac acattctagc ttatgggggt attagacaaa attaatttag ttagttacta 240
gaagttattt tctataataa tttttttcta atgtttaaaa ttggcaacta ataacatgtt 300

tatggtgatt tatttggaag agtgggaagtc ccacgtatat tgnngtgcac acataggtat 360
gcattgttaa ttangataag ggattatgaa tgcaaaggaa 400

<210> 22629
<211> 376
<212> DNA
<213> Glycine max

<400> 22629

agcttgtaa attaaatttt acaataataa ttacctaaaa gtcataagta gtatttatta 60
caatttttag tagttttttt tgtgaatata atttttagta gttgaaagtg taaatatttt 120
ttatattggt tgcataataa aattaaacta taaaatgaat aatataaagg aaattataga 180
tagtagtata atacgtattg ccttaataaa ttagcacgct gggcgtgtat acatattaca 240
tagagtggag aggaatcagg aaaccgacgt ttgtggaaat tatataaaag gtatgcaata 300
gggttgggtt agataaaaac ccaaaacaca acacggcagt gaagttatta gaatctgtgt 360
tgtgttgtgt tgtgtt 376

<210> 22630
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22630

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ttcctcgtat ctttctttgt ttgcatcatt gagctctgat ggcttgctta tttgaaacca 120
attttcgatt ttgtttttca tatatgattt gcttttgtac tagtttgaaa caagtctcac 180
tgtttttctt ctgtttttca ttgctttttc tttcgccctcc tcttgctgtc tgcttttttt 240
tgttttttta gttaatgagc ttatccagaa atgttctact tctccccatt ggtgtctgat 300
ctgatagtgt gtctcatctt ttatgttacc tttaacctta tgatgaaata ttactatgct 360
aaattttctt ccattttaat cttatgccta aaattggaaa cttcagtttc ggctttaaaa 420
agtt 424

<210> 22631

<211> 374
 <212> DNA
 <213> Glycine max

<400> 22631

agcttggttat gtatgcctac atgcagcgaa tccaaattaa attcttatct agctagttaa 60
 gcgagtgaacc atccatctat taataagatt taatcatttt caaattgaac tgtacgtcca 120
 actgaacaat cctctatgtc ttttaagttc ggtgtttctg gaattgtatt gcttgtcttt 180
 cacgtttgca cgcacttgga gaaattgcga attgtttacc tgagaatcat atcatatatg 240
 acagattgaa taatagattt tgtgtcaagc acaacctttc agtctaacat caatagacat 300
 caagtatggt acgagtttgt gtaagtatgc aattcgccga ttctaacatt atttttacaa 360
 gacttattgt aaag 374

<210> 22632
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 22632

agacaattac aaatggccag ttagtggaac acatatttta ctgtgattat attccacaaa 60
 ctggtgttag gaatgaaaca aacttgcaaa atgtatttct gaaggccttg ccaaatttgg 120
 tgcacatatg gaaggaggac agcagtgaac tacttaata taataatctg aaaagcataa 180
 gcattaatga gagtccaaat ttaaaacatc tctttccact ttctgttgcc actgacttac 240
 aaaaactaga aatccttgat gtatacaatt gcatggcaat gaaggagatt gttgcttggg 300
 gcaatggttc aaatgaaaat gctatcacgt ttaagtttcc tcagctaaac actgtatcat 360
 tacaaaattc agttgaactt gtgagtttct acagaggaac tcacgctcta gaggggccat 420
 cg 422

<210> 22633
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 22633

agctttgtat gctctattca atggagttga caagaatatc ttcagactga tcaacgcatg 60

cacagtggcc aaggatgcat gggagatcct gaaaaccact catgaaggaa cctccaaagt 120
gaagatgtcc agattgcaac tattggccac aaaattcgaa aatctgaaga tgaaggagga 180
agaatgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
gggagagagg atgacagatg aaaagctggt gagaaagatc ctcagatcct tgcctaagag 300
atttgacatg aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtaga 360
tgaactcatt gggt 374

<210> 22634
<211> 427
<212> DNA
<213> Glycine max

<400> 22634

tgtagccatt agaagagaat gagcatgtga ttggaagtat gactaataat gttagtcagt 60
ttgtcagatt gattgtgaag gaatgcattg actgtatccc ggtgagagtg tgaacttta 120
attttgagag aaacgattat catttagtac tgatttttgc atgaatctct gaagtatgga 180
ctggatgcat gaaattgagg atgatgaagg ccatgtttga ttgtgatagc cacttagcca 240
aaaagcttac cacgtgcttg aatgatttat cccttgcacc cagtttgagc tgaatgaatt 300
attgattgat tgaaccttga gcctatacag tgttatctct tgctaccttg acttaggctg 360
taggagagca tcatccacag gaagcatggt gcaaggtaaa tttgttccaa atttatggga 420
ggcactg 427

<210> 22635
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22635

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atgcacattt tatctatata caattgtttg ttgcttgctt gaatcttgat ttcagggtatt 120
gtattgtcat catcaaaaag ggggagattg tagatgcaat tggctttgat gttttgatga 180
tgatcatgat gatgtgttgc aattgatgca aatgggcttt tcaagattaa aattcaagac 240
aatacttcaa gattacaagt cacaacatca agatgatcac tagaatatta ggaagggaat 300

tcctaattga attagcaaag gtttggccaa gtgatttaaa ataaaaagtg tttttcaaag 360
gttntactct ctggtaatc 379

<210> 22636
<211> 430
<212> DNA
<213> Glycine max

<400> 22636

tgaagggact cccacatttc ctggctctaa tatcccttct aacaaaatct ttcttcctac 60
acctatactc accactcctt tcacaaccaa ttaacacaaa tgaaatcctt cctctactac 120
cagtgtttgt gtcagacctc ataatgactg tcataaatcc gttttcatga gcaacggatc 180
aagcccactg caaaacatca tttcgggtac caaacaccta taacgcaacc cacaccattt 240
tagtcttcta agggacattg attttatgaa aataataaca aaaatcaaca ttattaccta 300
agaagtattg aatgcattcg aacaatcaac atgctgctca ttcacaccac attcctgttc 360
attttgatca tccatatcaa cttcttcaaa cattatactg tcatacatcc attgatctcc 420
atccatctta 430

<210> 22637
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22637

agcttcacac aggctaattg ttcattctaa ttccaaatca catatatgtc ataaatggat 60
tttgcaagtc atttcccatc aaataaagga taatgtgcat aatcatcatg gatcaatagg 120
atTTTTtaag atcggacttg taggaaattt tggatttggt tgctttggtc tttttttttg 180
tgtgtgtgtg agtaggagag taggcacaaa gatttggtta gtaacttaaa cggtcgatca 240
cttcctatcc cttcacgtct tgaccaagtt actatcgttt cccttccttt ttactcttta 300
ccacaactct gtacatgggt tagacattgt ttgttccaaa gaactcattt ttctttacca 360
ttccctattg ntcttctcca tt 382

<210> 22638

<211> 441
 <212> DNA
 <213> Glycine max

<400> 22638

tagaaccta gcttatgcta caaacattta taatacaccc cctcagtagc ttaaccaaca 60
 atagcagaat aattatgatc tttcaagcaa cagatacaat ccagggttga ggaatcatcc 120
 aaatctgaga taggcaagtc ctccacaaca acaatagcat gtccctcctt tccagaatgt 180
 tgttggtcca agcaagccat atgttcctcc tctaatacag cagcaacaac acaattgtc 240
 acaacaaaga caatcggcaa ctgaggctcc tcctcaacct tccttataag agatagtgag 300
 acaaatgacc atccagaata tgcaatttca gcaagagaca agagcctcca ttcaaagtct 360
 aacaaatcat atggggcaga tggctactca gttgaaccaa actcaatccc aaaattatga 420
 caaattgcct tcacaaactg t 441

<210> 22639
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22639

ttgcttgatg gaaacctaca cgcctagggtt cccctgagac actaactggc tataatacaa 60
 aaatctgcac atgtctctag acacacaggt ttatgctcct gtgacgacca acacacagac 120
 tgttgccctc ctgtgcaaca ttatgtatca attgaacaga ctgaagctga tgctgcaaac 180
 atctacaata cacctgcgtc atctaagaat cgcacgctgg cccagcatac caattacgac 240
 ctgtggagca gcatgcacaa tcctacgtgg aggaatcata cctaccttgt atgcacgaag 300
 gcttggttac agaaaaaccc ataacaccac cctccttatt agcataatga atctggccca 360
 gcagccatac gt 372

<210> 22640
 <211> 298
 <212> DNA
 <213> Glycine max

<400> 22640

tgggggagac atcgagtgag aactgaaggc gggcttggtt gaaacctact ccgactattg 60

ctgtgtatac acagactagc tctggatcta tgtggaaaca agaactgccg atatggatca 120
 gtctaataat ggtgtttgtt gtaactccat gaatgaaagc tgagtgccta aatcaatgca 180
 agcatggggg atgaatgaat gaacagccat gctccctatg gatgaaggct cttctagaac 240
 ctaaactttt ttgcattcct ttatccttat gaggaacaca atggaggctc cattgctc 298

<210> 22641
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 22641

tagctttgag ggtgcgagc ccaccatctt ttcatagtag agtaccgata atgtgtctac 60
 catcacgatt atcgtctccc tttttgcaca tggtctgtag ttgcatccta tctggaacca 120
 tatcagaata gtactgatac tgcctaacga aggcaaccat taggtccttc caagtatgga 180
 ctcggaagg ttccaagtta gtgtaccagg taacaactac cccagtaaga ctttcttggg 240
 agaaatgtat tagcagttcc tcatctttgc gtatgccctt atcttccgac aatacatctt 300
 tggatgggtc ttggggcaag tagtcccctt gtacttgtca aagtcagca ccttgaactt 360
 gggaggggtg atgat 375

<210> 22642
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 22642

tgtagaatgg ctagacatga tacatgttac ggtttgtttt gggtcacaga tttaggggat 60
 gccccacatt atttccatga cacaatgca aagatgatga tttggaaact tcatgcaaaa 120
 ctggatcatgc atgcacctat gtggacactc aagtgtcaaa cttttatggg catgtgatgc 180
 tagggctcag gatttaaata aacccaatgt ttccaaaata tggtctttta tccatttgtg 240
 cattcatccg agtccatttc cggcgccgg ggaaatttca cagtgttcac ctttcagggtg 300
 tagacacatt ttttttcaa aactagttat gatcaatgaa cttttttcaa agataagttg 360
 gaagtcattc cttttcaaaa gcatgtcggc ttttcagcta aacaacttat tattatttt 419

<210> 22643

<211> 375
 <212> DNA
 <213> Glycine max

<400> 22643

ttgcttacat aatactgata catgacatgt ttattgcacg ctgccttaca agtttattat 60
 tggaacaggg tataaaactt ggggaaattc catgctaata aaaggtgtgt ataaatcata 120
 ttaataactc acaattcacc ctctactgga cattagagct tccaatgga tggtcaccaa 180
 cctgatatta atatcttgga ctcataagat caggatcaca ctaagctata tttgcagcta 240
 gctttcagat tatatatcat gtgaaagtag atatagetca cgcattatag ccggttatac 300
 catctaatta ttagatcttc catatagact atgctcaagt tcgagcattc cctattccgt 360
 tctggacctt ggata 375

<210> 22644
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 22644

tgctgatggc agggattcaa tctctttcat aaaccattat ctaactaata caccttgtaa 60
 acagatatat acaagtcagc aacactgacg aagagaatgt attgtaatca ctggttatta 120
 ttgttataat gtgaacactg ctttccatgt ccatgtcaat gccataaga acaccaggat 180
 catatttacg tagtaattgc ctttaatcca cattatgtgt gacagtgatt ggcatacaat 240
 gaaatatgtc agagagatac cttaaccaat gtaaattgac tactcccctg gcacacagga 300
 aaataatctt gacagcaatt cttgctgcct ccatcctgtg aatatttatt ggccatatat 360
 acaccgctta gatctcaact ttcggcactc tgacca 396

<210> 22645
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 22645

atctatatag gttcgggtggg tgctagccag catcttgttt gcaggactag cctagtcggt 60
 atcaaaatgg ccgtgattga aaacgcaatg gacactgctg atgtgatgat ggtcatgatg 120

atctggagaa atcgttgcag gctggacttg tccatagctg atgaaggact atgcttcatg 180
actctgg 187

<210> 22646
<211> 492
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22646

nttgacacct agttgttccc gctagccatt ctgagacact atcgagtact ggacctcgac 60
cagtactgat ccgtatgggc tttatgacga attctggttg ttctcacgct gcaggcgacg 120
acggtccatt acgcgggccac catgacactg aaagtaactc tctggcgata gctaccatgg 180
aaagtgtaca gacgctcgga atgacttgcc ctaatattct gagagctgta tcagaaagag 240
ctgaccacag tgattaccac gactatatgg tgcctgacag atgtatatac ggcgggcgca 300
gaataaactg tcgaaggaca ttgggcttat gaatgtacga gctataaaca gcattgtgac 360
ctatgaagca cgaatagatt gcaacaactg acatgctgcc tatatccaac acatgcccgg 420
cttgtccgat cattcatata acctatttgc aacactatac tgtcgtacat acatcggatc 480
tcatgcctct aa 492

<210> 22647
<211> 379
<212> DNA
<213> Glycine max

<400> 22647

agcttttcta caagtcctaa ttgacattct aaactagaat caactcactt tagactccaa 60
tttccactaa ccccaaattt ggctttttcca accctcaaaa tctcacactt ttccactcac 120
aacattacca ttctcacatt taaccctagg ttaactctcc ccatcatctc tacatgtttt 180
ctatcaacat tttcaacata catatatcac aaagcatcat cataaaaccc taaatcagca 240
tggttaattt agctcacatc aaacatgtca agtttagcat gatttcaaca aatttcttca 300
caaataacta ccctaagaca ataacctagt agaagtaccc atcatagctc ccaaaaaccc 360
aacaccacg aatttcaag 379

<210> 22648
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 22648

tctacttatg tggcagggcg ggctttcttc acttttctgt ctccaacgcg agctttgacc 60
 actgttcttt ctccccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgggttc cttgagtatt tatcaggcta gttatgccgc cgttgtctct 180
 gcctaaaccc atccccgggtt cataaccgtt ccccaacata actcggggcca tcattaccgc 240
 tgcacgggac agacaaggct gcccaaagag ggagtccacg gaggaaatgc tgaccacctc 300
 aaaagactgg aaagcagttt ctaacgattc ttctgcggct tccacataag gcatggagga 360
 tgggcagctt accaagatgt cttcctcgcc tgacacgatg accaagtgcc c 411

<210> 22649
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 22649

ttggacattg gtaaaccttt catctgagct ccttatttga ataaaatctc ccataataca 60
 ctacagcccc ccatccatta atgggtcaac ttttttactg gatcccacaa aattctttta 120
 ttgtgtatgg cacatggaga ataaatagta acaaggggta ccagttgtgc ttcttgacc 180
 cattccccaa ccagtaaaat aaaatcatta ccagtgattt ccctctgcag gttaaaagat 240
 ttatcactcc acaaacataa tatacctcct gctgtattga tagctgtgaa cacatttcaa 300
 attacctctg tgtgtgcca tatagactga gacat 335

<210> 22650
 <211> 120
 <212> DNA
 <213> Glycine max

<400> 22650

ttcttgcaag cttgagatga cgaagtgctg aagggtgaaa cttcctgctt ttattgctga 60
 ccacagagtg gtacctgcag atatgtcgcg ggggtcacga caccttgctg acgttctgtg 120

<210> 22651
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22651

ntaatgagat atgcgagaaa tgagagaata gcacatttaa aaatgttaaa atgaatatat 60
 gattatacaa aaaggaaaaa taataattat aaaaaaaatt ggaatattac caattgagga 120
 aacgatgata aaaaaatcga tcaagataat ttgatcatgt atgaagaagg caactaaagg 180
 catcaatcaa aatagtagaa atagtccaaa gagatcttat ggtaaataat attcttaact 240
 ttttttgttt ttaaccttgt caaatgacat catgtaatct atatagtcaa tcttacctat 300
 taggataaga attttctatt attgttattg gtttcaaatt ttcaaataata tacatgtatg 360
 agaattgaga atcatatata aaatacctaa cataaaatat gcttat 406

<210> 22652
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22652

agttgtgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
 ttaccctcgg gagcaaaaaa gaaaagaagg aaaatttcca atcaaagagg aagcaaaaaa 120
 aaaaatggag agaaggaaaa tttccaatca aaggaaagga aattccctat caaagaatgg 180
 gagaaagaaa aaaagagaag taaaaaagaa gagagctcaa ggatcgaaag aaaacagaag 240
 aaatgtgcag gaaggctcgtt ggaccacaca atatctgaac aatacagaat tgtcaccaaa 300
 tgaacaaaag aaagaaaagg aaaccacgac ctaaaatggt cttccccctt taattgccaa 360
 ccaaaatctt gtgcgct 377

<210> 22653
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 22653

tgcttctgta cagactgtga tcaacacttg tgcccgttt atccttcgac agctttaagt 60

gagtaggtgc acgtgttctt ctatgactgg caatttccat tccgaactta ttacgatgg 120
 tctttgcatt cttgctttgg gagaagaaca tgaaagcttt ccttttgttt tgcttgggag 180
 ccgaaaaaat aagtctcttt tccaacgaga ctcatTTgaa attcatattg catctgtgg 240
 acaaaatgtc aaaccatttc ttctgacatc cctccaaaca ca 282

<210> 22654
 <211> 346
 <212> DNA
 <213> Glycine max
 <400> 22654

tgcttttctt tcttttgggtg aagcgcgatga tataaagact aaacaaatta ttatactata 60
 ttctgttcaaa gcttgtattc tacatggccg catgctcgtt tacatggc gaattttaat 120
 ttttcaacct gatctatact tataaatctg cgataatctt ttccaaaata 180
 caacatgttc cttattaatt tatatgaaag tt ccttgaaat 240
 actttttatt tatatttatt ctaactcgtc tc aaaagtc 300
 ct+ cagcatat ttggacccaa ata tca 360

<210> 22655
 <211> 346
 <212> DNA
 <213> Glyci

ctca cccgtgtat tgaaacgaac aactacaaac ctatattaga 60
 aagatcaccg gggctgtgt aacctgggtt ttggagcctt catatc ttaagaagcc 120
 tagt cccca cccaca 180
 actatcaaaa gtgcaaagtc aagacct a aaacaggatt caccaaagtc 240
 gcaaagtcca catcaaaacc aacttctcaa tcacaacctg ttaca 300
 actacaaagt ccaccaactt 360

<210> 22656
 <211> 422
 <212> DNA

<213> Glycine max

<400> 22656

taattccatc acttaatttc ctataatgtt caatcattag caacactatc tttaaacatc 60
tgaaccttta ccgtaaatacg cgcatacata ccaatgttgt caaaaacgcc agttaactcg 120
gtgagtcgta cgagttacaa gtttctgagc ctttgtcgag cttaatcgga ccaaagaatg 180
gagaaagttg gagaatggca atgaaatgtg agtttactct acagaacgaa agaacattaa 240
ccgtttttgg caactgctat ttacacttct ctttaatgct aatgcactcc cctcctcacc 300
tttttgtccc caatctaccc cacgtgtaac gcttatgaaa aagaatgata gtgtattgga 360
gtattagaat aaagggggag tgttgatca tctacttact ttttaagtagc atatgtcttg 420
aa 422

<210> 22657

<211> 362

<212> DNA

<213> Glycine max

<400> 22657

agcttttgtg gagcttcaat ggagaatgag ggagaagaaa ggcaacgtga gggagagggga 60
gagagaaggc ttctgcaatg ttttctgctg agtgaagaga gagagagttg ctttttggtt 120
tttaaaaggc ttttctctct tttcttatta ttttattcaa gctctgccac atgtccctat 180
ttgattggag caaaaagggc ccactttctc tttttgactg tgaccatac tcagtcacaa 240
aagtgagaaa aatctgacct ttgaaacgct aaaatcctgc ctcggtttgc gtgccgtttc 300
tctggttcca gtttctcgtg tttctctgcg tccgtcggcg ccagttttcg aaagcaagca 360
at 362

<210> 22658

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22658

agaggtgtgt tgaaaccttc tttatatctt tatagttatt tgtgtgataa tgattttgtt 60
tatatgtgga gactaatata gttttttttt tctttgggta aggaatgggt tttagcttcc 120

agaattgcag tgcctgacaa cctgggtctt cgaatgcgtg ggaggacat ggtccggcca 180
gctccaccat ccaacaaacg agaactatcg tgggtcggcg atgttggttt tgttggtgat 240
gcttggtggc atgatggatg gtgggaaggc attgttggtc aaaaggactc ggaatctaata 300
tgtcatgttt atttcccagg tatgaatgtc tgctctttct atgttaatta gcttatgttg 360
gtaactgttc ttttgggtact tagattatga gctcgntttt ttatttttga ttaattccta 420
tgg 423

<210> 22659
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22659

agcttctccc ccaattttct ataaataggg ggagaagtga agtgaaaaag ggttcagccc 60
cttaggcact tatctctctt tcgaatttgc ttggaaaaat tgtttctgtg aagaaaatcc 120
aagccgaggc gcttctgaaa cgttttcgtc acgtttccgt gaggaatttc gcgaagggtt 180
cgaccgttct tcgacgttct tcattcgttc ttcacgttc ttcgatcttc aacgggtaaa 240
tacctcgaac caagcttttc gattcattct atgtaccgt ggtgggtccac attgtgtttc 300
gtgtattttt attctcgttt catttacttt ntatacccc ctttgacgtg cttaagccat 360
tntatttaag tcatttctcg ctt 383

<210> 22660
<211> 449
<212> DNA
<213> Glycine max

<400> 22660

gtgacactat atgaactcat gcttgccacc cagctcgccc aggcgagctc agctagccta 60
ttcgagcagg gttgcttcct ccagaagtaa cagccttctg gagggcccaa gtgggcctgg 120
ttgctatttg cccccatt tttactaagt acacccatt gccttttttt ttgtgattct 180
tttttcgtaa agttacggaa acttatgaat ttcgtaacga tacttgtttt ctttccgtaa 240
tgttacggaa ccttgcgat tacataatca tccccttttt gacttacgga atgttacgga 300

acctcactaa tcacccccctt ttttgatttc cgggtgtgtca cggaacctta cggattgtgc 360
atcaatatatt tcttttggtt tccggcatgt cccggaattt cacaaattgc ctaatgatgg 420
gtgccaagca cctcacaagg accaaacaa 449

<210> 22661
<211> 158
<212> DNA
<213> Glycine max

<400> 22661

tttcttactg gaggccatgc ctgcactagc agacctcacg aaagttccat tacaagtgat 60
gtgacaggct atcagaatca tggcccgacc ttcctattct aggttggcat gactgcaggc 120
gctctacatc ataatatatt tgaactcgtg cagatgta 158

<210> 22662
<211> 229
<212> DNA
<213> Glycine max

<400> 22662

tgtcgccaaa gcatacgggt aaagatgtta cccatttttg tagataacct cacagaggcc 60
ttatgtctaa ctgaccaag cttatgaacg accatcgatg tgcttcacct atggggacta 120
ttcagctcat accaatgatc taagaatgtg tgaagatcct ttgattggct gtacgggaga 180
gagcaacaat acctcttctg agggccttat ccctcattag ctaaaattt 229

<210> 22663
<211> 372
<212> DNA
<213> Glycine max

<400> 22663

tgcttgaaga atatatcatc tttaacgctt tagaaatcac ttattagtgt ttggaaaaat 60
tattggttga agtagttgaa aaatgaaaaa ttatataaag gatgaaagta gtcaattttt 120
actttaata gaaaagataa aaaaaataag aatgggttaa atatattttt cataacttcta 180
aaatagatta ttttcatttt attattttaa tttcattttt taatctaagt attcaacatt 240
tttttatggt tcaactgtagt atctattatt agtcccattt tgtaaagtga caacatgaaa 300

aatagagtgt tgcattatct aacacctaata cactaacacg ttaacaaatt tttcacatca 360
 ttttttatta tt 372

<210> 22664
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 22664

tccacagcaa ctacaagcgg taagtccttc tcaactcttct gttatgaagg tttggggatg 60
 tcacatatgt ggaggaacac atgagtcatg cttatgcatg gtccaagatg aagcatccaa 120
 tgaagttaac tacatgggca gtcataatca tcaaggattc catcaaagag gaccaccagg 180
 attctatcag agcgataatt ttttgcagga ccacgattgg agatattatc caagtaataa 240
 cttcaaccaa ggggggttcac cctatcagca tcctagtcag ggtccgagtc agcaagagaa 300
 gccgcctatc agtatagagg aaatgctctt aagtttcatc caagagacaa gggcaaacgc 360
 tcaggagacg aaggcattca tccaggcaaa tgctcaagag aaaaaaacat tcatcca 417

<210> 22665
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 22665

ttgtcttaat ggagtctatg ccaacactag gagaactcac aaaattccca taggaagaga 60
 ggagaaaggc taacagaatc atggcccgac cttcatattc tatcttgaca tgaatgctgt 120
 ggagctccat cataatatat ttgaactcgt cgatatgtac ttttagtgac gtaccttctc 180
 tcattcaaag accaaacaaa cctcatttca aaagcaactt gttacaaatt ggtgttttca 240
 taaagagctt atctagcttg agccataacg caaatatagt attcgcttca gaagcttcat 300
 aaagaacttc atcagatagt gacaagagaa tcaacgagta acgattttca tggttgcaact 360
 gaagaactaa ctaatc 376

<210> 22666
 <211> 254
 <212> DNA
 <213> Glycine max

<400> 22666

ctccacagag gccactgact tcctcaccca atattatgag ctaccgtatg ggtgcttcat 60
ctctgaggac taccacctgt cacccatgag tcatcaattg cataggatga ccatatgtcc 120
tctaggtgga acgagacact acctataatt atggtgctat ccctaattag ctataattta 180
tgatacttgc cgaatttctg gacaggaata agacctcaga gatcaaatcg aatatgaagc 240
ggatggacta cctc 254

<210> 22667

<211> 376

<212> DNA

<213> Glycine max

<400> 22667

agctttgctt ctacaatagc tattgagcct gaaagttcac tgccaatttt ccatcctacg 60
gtgggtatth tgtttcaata tttttctggg tgtaggattg acagatgttt taaactatta 120
ttatatgatg acaaattttt ccttatcata ttgttgtaa tatatatatt gctaaatggg 180
tccacagcca tcgttgtcac agtccgctga ttacgatccg ggaaactcaa cttgtttaac 240
tccaaccaa aggattaatt gtcagcaaac cagttctgat tcggattctg atgagtatac 300
acagtatcag ctatcaacta acaaacatat caaagctgag taattagtgg ttacacaatc 360
ctgtggtatc agcctg 376

<210> 22668

<211> 418

<212> DNA

<213> Glycine max

<400> 22668

tatatgcaat gtgctaccat gtcagtttaa aataatattg gagcacttaa gattacataa 60
caagacatgc cacataatgg gtatgttagg tcactctcac taagtaaaat cataaggatga 120
ccagtcaagg tcactttggt ttgtgagaat gtttcaacca tatgagatca acataggttt 180
aaaggagcac tcaaactgag tgtctttaac actaaggcct agactctgaa gaatccgtta 240
ggacctcacc ttcttgatta aggtccaact cctaaaacaa tttttgcaca taaacaatgc 300
tcatgaatta tacaatacac acgatctcag tcatgtttga aacatgttta acacattatg 360

ctacacttta acacttttagg ttcctaactt gggaccctat atttttcctt taacactt 418

<210> 22669
<211> 340
<212> DNA
<213> Glycine max

<400> 22669

ttgcttgcca cccagctcgc ccaggcgagc aaggttgctt cctccagaag caacagcctt 60
ctggacgaat cttttggatg gcacaagtgg gcctgaatgc tatctgcacc aacattctac 120
tcaggcacc cctgcctttt ttggtgattc tttcgtcagg aagttacgga aagttacgaa 180
cgtcctaaca agacttgcac tctttcctca tcggtactca accttgagga gtaaatacca 240
tccacattct acttatggaa tgtatcgacc actactaatc gcgcagcgat gcttgcattt 300
gaattcacgt gtgacacaca accttaccga ccgtgcacga 340

<210> 22670
<211> 321
<212> DNA
<213> Glycine max

<400> 22670

tgtaggatat tcaaacgaca ataactttgt actcctatgt ccgattgaat cgggtaatat 60
atggagacgc taaaaataga gactagatgc tctgagcaaa ttgaaatgac aataacttta 120
tacacggata tccggttgag taccgtaata tatcgagacg ctccaatttg aaaactgaaa 180
ctcttagaaa attcagacga caataactat tactcggatg ccctatagag tgtcattata 240
tatcgaggga tgcttcaaatt tgaaaacgga agctcgtatg aaatccaaac gacgataacc 300
ttttactagg atgtctgatt g 321

<210> 22671
<211> 347
<212> DNA
<213> Glycine max

<400> 22671

agcttaccta attaactaga aattgagaga gaatgattat taaacacaca aaatataatt 60
tataagtatt tattacctat ctttaactaa aagaacttat aacactacaa aataaccata 120

aattggagga gtttgataca atttacacag gttttataca caaaagttag ttgtattcat 180
 cgactaacia aggaccataa taatgggtacc ctaaggggaat caaagagtgg atgctccttc 240
 ctttcattgt atgagtggca atgacttgcg aagtctgtga ctcaagaagg gtggcatata 300
 taacagggac aaaggaaagg aaaggctaac gaaacgagaa tcggatg 347

<210> 22672
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 22672

ctccaggtat tgatagctat atcctcagtt ggttcttcgt acatgggtact tgatgtaaat 60
 actcttatat ctatctaata acgttgcatg tgtactctgc gctcagttaa ggtcattcaa 120
 cattgagaaa tgggtctgac cttataacta gataagaccc ggctagatta tcgcatatcc 180
 actaatgac gcggtaccgc aaccgaggag atggtacgaa tgtcttaata cacctttggg 240
 caagtcctat ttcaacatga tggatctgat gatgacgctt ggatggatta gactaaacat 300
 gcatgagaca ttgttgttta gccgtccaag agacaacgac aaac 344

<210> 22673
 <211> 547
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22673

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 ggccaccncg tgtgatagct cgtagcaggt acgagcactg cagagtcttg cgcattgtga 120
 tcnattaagc acatgcnag acccangana aagtgcagc atgatgcata tgtctctaca 180
 tctactatca ggagagggtg tcnttatntc gcacaatcat actagtagtt attgcttgtg 240
 gatggatcgc tatctcgaca agtatgatct gtacaacata atctaataat atagatgagc 300
 aatatttgtg tcttatcaca ttgttgctga tctatatatt gctccatggg tcctcgggtca 360
 tcggtgacac aatctcgatg attactagcc ctgaaactta tcttggttaa tctctatcca 420
 taacgactaa ctgtaaaactc ttgctttatc atgcatgcac ggatgagggt ccaactatact 480
 atacatatac gaacatacat atattagctc agaaaataat gcatgcacaa tcctgaggat 540

acggctc

547

<210> 22674
<211> 314
<212> DNA
<213> Glycine max

<400> 22674

ctttagacgc tcacacattt caggcaccta ttagatattt tttgactttc tttatcttta 60
ttgggctatc aaatcgtatc acctatctga catatatact tttctctctg ctatgactct 120
tactctctca aggtgtcaca taccgtatgg aaatatatgt aggtttatac tttttaaatg 180
atcagtgaac tcaatcaatg atgaatatag gcgtcctcta aatattgaat accacgacat 240
attatccaat gtattattag tagttccgac aatcaatact gctagaaaaa agatattcta 300
cgacgattag acct 314

<210> 22675
<211> 374
<212> DNA
<213> Glycine max

<400> 22675

agcttctttt tctttggcca atgctggact tgcttggcag tgatttcctt ggcaatttga 60
tgctcagaaa tagcaatatc caccactcct tcagttggtc tgcccaggta cttgttgatt 120
acagcagggg agaatctaatac acattttcct ctgacaaaca ctttctgata ctcatcactc 180
tttctgtttg ctatgtcaga gggaatgttg acaatgaatt ccctgactag actttcataa 240
caatcaccca tcttgggtgac agttttcagc agtccagcag ccttgatgag gtccatgata 300
tccttgcaat ccaaggcatc tgtgtccagt tctctttcta aggcaagtct gcgttgatat 360
acaaatctcc acct 374

<210> 22676
<211> 408
<212> DNA
<213> Glycine max

<400> 22676

tcggaagaca gtgatgaggt acaagcccta aaagcttatc ttgaaatatc ccgggtagtc 60

attgagaagt tcaagtccat agccatcaaa gtctgaagag agtatgatga actaaggagac 120
gtcaatatgg ccacagctga agccttgga cgagaaacca agaaggcccg ataggaagaa 180
cacgaccaa gcaaagtatt gaggggcttt atagggcagc aatagtgatc tcaagctctg 240
aataggtgaa aggaatcatc acgggtcaaa ggcattgatc tgaaagacga gctaaagggt 300
tgccttatgt cgaaaagaaa tctgtcccaa cagttaagcg agactgaatg gaatatgtgg 360
gcatcatcg ataagtgcaa agagaagcta aatctatcgg cgactcac 408

<210> 22677
<211> 375
<212> DNA
<213> Glycine max

<400> 22677

agcttgcttg ggcacactcc tccttcatt gttgacttca aaatgaccca gttccaacca 60
ttgtgtcaca atacctgcaa caacgtgcc aaatccttaa tacaacaaag gataaccttt 120
gcttcatctg tcagagtatg gagacacaag ctaacaaaca tagtaggact cttacctttg 180
ttgaaggaga atgagtttgg cagaaactcc aaatgtacta ccaaacttg gtcagaagcc 240
aacttgccac taagtagagg cctcatttcc atgggacttt tcaagttaag tgtcatatag 300
ggacaatggc gtatgaactc actcttctag gctctgcttg gattcatcct atgggtgcatg 360
tttcatact tcacc 375

<210> 22678
<211> 427
<212> DNA
<213> Glycine max

<400> 22678

tatgagactt ccaaattcta caagaagaag accaagattt tccatgtatt tttgatagct 60
aagaaggact tcgtggttgg acagaaagtt ttattatata actctaggct caaactcatg 120
agtggtaagt tgagggtcaaa gtggattggc ccttttgtgg tgactaatgt ttttccttat 180
ggaatagttg agatcaaaag tgaatccaca gataagagct tcaagggtcaa tggacaccga 240
ctgaaaccat tcctcacaaa tcccttctta atggatgtaa tggtagagga gacctcctta 300
cttcacccta cttctcttct accatgactt aggaagttct ctcttctatc tccttcttta 360

cttttattgc acttgtccaa atttattgat tgatttgatt gctcttgatc ttatgattgt 420
gctacat 427

<210> 22679
<211> 375
<212> DNA
<213> Glycine max

<400> 22679

agcttgtctt ggttctacta tggaggctgg atctttgagc tttagtgcg tcctttaatg 60
gtgattttcc accatggaga tgcagcgga gacaaatgag acgaggttat acgcggcgcc 120
atccactagg gaataatcca tggaagaagg agcttcacca ccaagatgag ccttggataa 180
aaagcttggg caggatgctt caatggagga aaagacagag ggagagaaaag agagaggggg 240
gagcacgaaa ttgaaggaag atacaggag agaagttgaa ctttgagttg tgtctcacia 300
gactctcatt catcagagtt acaacaagt ttacacatgc ttctatttat agactaggta 360
gcttgcttga gaagc 375

<210> 22680
<211> 425
<212> DNA
<213> Glycine max

<400> 22680

tcctcggagc cattcctgag aaggcaaaca ttggaatgt tagtttttcc agtgggacgt 60
ttttcttaaa gcaaaaatgg catataacct ctcccataa atacaaacat caatgtaaat 120
ttagagcaag cttatgcgca tatttcctta caaacgttct cttgcacaag acattctatt 180
aaccgaaaaa aatgcacca tatacaatca aggcagcttc gttacctaga ttatttacac 240
gtacttcaa ggtgtatttg ttacttacat cacacacctc cttggctaaa ttcacataca 300
tgcatactca aagcattttg gggtagcaaa aattgcacat gtgcacatct tggattttca 360
caaacttcat gatgaatctt gactatctac acaataaggt gctacatttt atgctctttt 420
caagt 425

<210> 22681
<211> 373

<212> DNA
<213> Glycine max

<400> 22681

agtatttgta ctgtgactga gtctctagtg cctttcgaca atcccccaaa catcagtttg 60
ttagttttac aaatctcttt atttttcttt tctttttcaa agtatcatta attgaaaaag 120
tgcaaagtca gttaaaaaac ataggatact aaacaaagag cattacaata atgcatagct 180
attaaataat aataacgcag gggctcacgt ccaaagctaa ctagaagttt ctgcactggt 240
gaatgaaagt ttttaactat tcaagtcaaa aacatagaag gaaggagttt gttagattaa 300
ttttccatta ctccaactga aaaacaaaca cgcccttcat tggatataat gttcgttgat 360
attgggagaa act 373

<210> 22682
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22682

agatgaanac ttgctttata tgaactttnt gcgagttaag cccagattaa accatgattg 60
gattgattaa aaaattccat atttagtgct caatattaaa gcactaaccg gatattccat 120
tggacaggtc gatcggcctg gtatgcatat caaatattaa ctctgatcca atatttaaag 180
aacaattacc taatttattg atgccaataa aaatagttag atgggttaat gtcataaatt 240
ttaattttat tccatataat acaacaacca taaatcaata actataataa cattaacaat 300
aataaccaca acaacaatac ctagagtatc tctaataat caacaaatat aatataaata 360
acatggtggt aaaaagcagt cttctcctaa tacttagaat tcgggtgtta ctgaaacaag 420
tagacaa 427

<210> 22683
<211> 381
<212> DNA
<213> Glycine max

<400> 22683

agcttcatga tgattattca agttgattca agtagttttg atgataacaa agatgatgat 60

aataagccca agagaatgat ttcaagattg agtcaacaag tttcaagaat caagagaagt 120
 ttgatttcaa gattcaagac aagacgaatt tatgattcaa gagacgaaat caagaagact 180
 tcacaaggga agtattgaaa agattttttc aaataatcat cgtagcacag ttttgTTTTT 240
 cagaagagtt tttctcaaaa ttttctaagt taccagagtt tttactctct ggaaatcgat 300
 taccagtttc ctgtaatcga ttaccaatgg cgaagtttga tttcaaaagt tttcaactga 360
 atttgcaacg ttccaattga t 381

<210> 22684
 <211> 469
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22684

ttgacacctg ttattacgtg acactatcta gtactcatgc tagtgatatt ngTTaatgTT 60
 tcttactaat tgtggttatt tgattntttt attaatTTct tttatagtaa actcaccctt 120
 cgcaattttt gtaccgtgtg gttagtagct gtgatgatca cgaacctttg ttcgtaggag 180
 cagaatgaca acagtagagt aggagaagtg agattctttt gtggagctgt cgagccaaca 240
 tgatgacgTT gggattattt tggtagagag ttgtattttg ttaatcaact cctctgtagt 300
 tggttacata attctttttt ttgaattgag gatgtaaTc acagatttag gtatatgtat 360
 gaacaaattt actttccatt atgtgaatga tgtgtactga gttactatat atgtgtgtgt 420
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgcgtgta 469

<210> 22685
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 22685

tgtttttaac attgtttcac ttacaagtga tcatggaggt gaatttcaaa atgagtcttt 60
 tgaaaagttt tgtgaagaaa atggaattca ccataatttt tcagcccca gaacacctca 120
 gcagaatggt gttgtggaga ggaaaaatag atcccatgaa gaaggaaacta taacttttac 180
 aattgaaaca aagttaccta agtacttttg ggctgatgct atacatacta tttgtacac 240
 tttgaacata gtaattataa gacctacact aaatcttatg aactttataa aggaagaaaa 300

caaaatatat ctcacttgag gggttttggg tgcaaatgtt ttattttaaa caatggtaaa 360
gattctccta g 371

<210> 22686
<211> 417
<212> DNA
<213> Glycine max

<400> 22686

tttcttccac aatcaatttg tctactgact aacagttcta attgcaagtt ctcattcttg 60
ttttttcttt gtctaacata cacacttgct caaactcatg aaaagaaaca caaactccat 120
cacaatcatg cattcaattc aaaacgaagt catacaccaa ttttcaaaga ttggacctct 180
tgctagttgt tattattgaa taacttaaac tcttgtgctt gagtgaata gtagccgtga 240
gactgtgggt taagatactt tccttgatat ctatcttatg tctaactcca tctaattatt 300
cagattacat tttatttttc tctttggata ctgcatacct tgtgaaaaac aagcgatgag 360
ggcatttaat ccattctctt atcatgcaat cagtaacttt tgtagcatat acctttg 417

<210> 22687
<211> 285
<212> DNA
<213> Glycine max

<400> 22687

agcttctagc caaatggact taccttgaat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120
atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg aggggttttt 180
gtttcattgg acaacttgtt ttgttgacta tgcttcatga tgtatttttg gccatacttg 240
atgtacattg tatattggat aaatgttgga catgctgaat gaaat 285

<210> 22688
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22688

tgaaaggtag tcatacctca caaaatatat atgtatgtgt gtttaggtag caagatacct 60
 tggatatgca tgtatatagc aaaaatacct cacaaaaata tacatgttta ggtagcaaaa 120
 tacctaaaaa aaaacaaaaa caaacaagaa aaaaaatata tctttcggct gaaaagccaa 180
 cacatTTTTg aaaagaaata acttctagct tttctttaa aaaagattca ccgatcaaaa 240
 caaagggttt ttttttgaaa aaaatgtgta tacacctgaa ggggtgaatgc tgtgaaaatt 300
 ttcccgaaca cccaaaatgg actcgaatga atgcatgaat tgataaaaga acatgttttg 360
 gaaacactgn gttaacttaa tcgggaaaat taatcttgag ccctagtgtc atgtgaccat 420
 aa 422

<210> 22689
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 22689
 tggcagcttt ttccatcgtc gctatagatt ggtgcttgta atggcgaaac gtatgtacca 60
 ttatttctta ccttttttat ttggaccagt gttacttggt ttttgagcat gacagttatg 120
 cacagctatg aaataatcat aacatacggg ctacagtgc aagctaacta gaactttctg 180
 cactgttgaa tgaaagcgat taactatcca agtcccacac atagaaggaa ggaggtcgct 240
 agattaatgt tccattactc ccactgagaa gcaaacacgc acttcattgc actatatgct 300
 ccgctgatat t 311

<210> 22690
 <211> 195
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22690

tgttcccttt tgggctntgg agtttgcttt atcccattaa taacagtatg tttctatctg 60
 atatcatcta taattattct ttttggcagt tttttccatt gttgttaaag ttgggttgctt 120
 ggaatggtga aaggatgta ccattttttc ttcctttttt tatttgggtcc agtttttttt 180
 tttttttggg ggggg 195

<210> 22691
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 22691

ttacatgtta tggaatcaga ccagagagct taaagtaggc gctacataaa ccagcataaa 60
 ccaccaatcg ggtagttca atttactaca tggaaggaaa cacaaggga gtggtgaatg 120
 gtgatagcat gatcctataa aactcccact gaagaaaccc gctatggaat ctagattaga 180
 taatctatag gccagagttc acgatcaaga ctatgaacaa tgaatagccg agtataggaa 240
 actttgaaac gagaatagcc agtaacatag agggagagac ctaaacaaaa taattctgac 300
 aaaaacattc aagcaaaaca caaccccaaa aatgtatagt gagatgttca cctatgggag 360
 aatcgtgata cag 373

<210> 22692
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 22692

gtgattatgt tcacaccttg tcgaaaagcg agggactgtt gacttatatc aaacctattg 60
 catgtgtcag aaatataccc aataagaatg tagaatgctt attgcctatt aatacacagg 120
 tacagcgtaa acaatcatta ccgaggagtc tgcttatctc acatggatga ccgaaggcac 180
 aacatctgag ttagatgcaa gaataagatg cataatgaaa catcttggtta tatacaaacc 240
 attacgagac tatcaaatga caacgcatat ttactttaaa tccttacggc atacaatatg 300
 cccagctatg gatttacaaa tcgagcttac acaaaccttg gcag 344

<210> 22693
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 22693

tgcttcttta aataaatttt tacctaaaaa aaattattaa gttaaaatta actcatatat 60
 gaactaattc atatgaatgt gatcgagaga ataaaaaaaa taattaaatt aaaacaaat 120
 gtataagata tgaaaccttc ctgagatcta tattatTTTT ctctactttt tacctttcac 180

tctttgccaa agttcaaaca caagctaaaa tatgagagct tttttataaa ttaacttgtg 240
catatgttaa ttttatcttt aaaaaaactt gttttaattt attttcttat cttaaaagtt 300
ttattttttt gaataaaactt acccaaacac attctagtgt tctagcagtg caatgttaaa 360
atgttaaaaa aacaacattt 380

<210> 22694
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22694

ngatctctta natatgcgac aatttttata aaatcatgta caactttaga tgtaaccctt 60
actaaggaat ttagttgggg tactgtttca tttcataaaa gaatactatc acattattgt 120
tttgcaattg caaattaaag aataatttta cttgttgagt aacatcggtt tacaatttgt 180
tttactcaat tatatatata acttttgaca aacctaaatt ttcataatac aggatgtctt 240
ttgtttctcat tttcaaacta caatataact tgtttctccc tctttacgta tccttgttcg 300
ctaacttttc tacccttata aaccgatact gtctccatgt gcacatacga caaatagaga 360
gctagtgaat gcctttattc agaatcatag aattcaacga acattacatg ttttt 415

<210> 22695
<211> 368
<212> DNA
<213> Glycine max

<400> 22695

tcaagcttga agattttgtc agaaatctag tactctcatg ccacaatggt tttcttttag 60
accacaaata ctttcttaca gaatataattt tatttgaact tgataggatt actttaaatg 120
atgcaactgt ctttttaatt atttaacata gttgaatatc ttgaattcaa attcaaaaca 180
tctaattaaa ccgaaataat ttcatgtgaa ttgatcgaga cttggtggtg tcacaatgag 240
tttataccca tttaagttga caagtttgga agttgaatta gccagaactc ttgcaaagtc 300
aaatcgtaact atgtttcttt ctctcttggt tttctgtaat ccagtgtaat atacgatgaa 360
tttgtgta 368

<210> 22696
 <211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22696

 tgttntactt aaatggagca taactccatt ggggtgtaga aaccaataca acaacaaagc 60
 cttatccac tacgtgaggt cagctatatg gatcatacaa tgccatttgg catggctaaa 120
 aaccaaagtc ttagtaatat ttttttagcat gagatcttct ctgacaactt cctctaacgt 180
 cttgttagaa accaatttta aaattgaagt aaacaataaa agcaactaga atcatttttg 240
 ggggcacaag gtaattgctt ccttttatgt tttcaaaggt aagaaaatca acttcttaac 300
 tcttttaagt ttccaaagat tctcattaga aaaaaaacg attccaaact tggagttttt 360
 gttaccgctg tttgccccta taatcat 387

<210> 22697
 <211> 363
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 22697

 agtcttatga tgaatcaaga ttgattcaag gagttttgat gataacaaag atgatgacaa 60
 aaagctgaaa agtcaagctc acttcatggt aacaaagatg atgacattca agaatgagtt 120
 caagattgag tcaagaacac ttcaaggatc aagagcaaat ttgatttcaa gaatcaagat 180
 tcaagattca aagattcaag aataatcaag atcaagattc aagactcaaa gattcaagaa 240
 tcaagagaag acttaataca gataagtgtt aaaaagtttt tcaaaatatt gagtagcaca 300
 agaagttttt tacaaaatca ttaccaaaaa gttntactct ctggtaatcg attaccagat 360
 tat 363

<210> 22698
 <211> 403
 <212> DNA
 <213> Glycine max

 <400> 22698

tgtaaaatta attcagtttg gtcaaaatta tttatttttag gaaaatttat ttttaccaaa 60
 atgtgtaggc tcttattatt ctttttatta caaatcatag ggatgcaatc ttgggttttgt 120
 aaagccatat gtccactcgt atgttcttta gttaattttg gaattatgct tttttcaaaa 180
 ttttcgtaaa gaaaatctac agttttttct atttggttca atctgatttc caaagtggaa 240
 atcctattgt ttataatfff atttccataa tcattttctt tcttaaagtc tggaaattct 300
 attttcaaaa tagtttgtac acaagtcttg caaaaattct tgtaccataa actacagtga 360
 gctcttaatg ttttgtggag atatctttta cagaaataac att 403

<210> 22699
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22699

agcttacgga ttacgaatcc taagtctctt atggattatg aatccgttta ttggtagggg 60
 taattttgga aaaaataaaa aagtgttgag tatataagaa aaacgttggg tgccaaagaa 120
 attcccaatc cctcatgtcc tgcaattctc tcattttctg gtagaaaaac atggaacaac 180
 ttttaaggata aggaaatcaa gcaatccatt tgacataaat catctttctc tatttttttt 240
 tatagtatag ttgttgtatg ttgggttcatt aacaaccatt agttagtctt ctactcttt 300
 accaacttag tatttttctg ttttttgta ttctgttata acatgtaaca gttaattagt 360
 ttttaagttgg ttgggtt 377

<210> 22700
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22700

tgtacgacta tggggtaccc atcacatgtg gtactaggtg gcgatcgggc gatggtgcac 60
 agcaagtttt ccacatccac aaatcacgta taaacccatc atcccttggt gccacctcc 120
 aactgagctc acgtactccc acgtagccca tatectcttt cctctcaacg ccgggtcccc 180
 atcaatcctc ccaagcttcc ccaacatcca ggtaattcaa catcccatca tcacaaacta 240
 acaaaccaag caaaacaggc aaaggcagaa aactctgccc agaacacaaa ccaaaaatca 300

cagctttttc acatacaaact actccagtaa cattttcttc gttccaattc gttaaccgtc 360
 ggatcgactc gaaaatttta atggaagtct ctagtacata agtctacatt ntgaccgttg 420
 ggatctacta 430

<210> 22701
 <211> 275
 <212> DNA
 <213> Glycine max

<400> 22701
 agcttgttta gaaagtgaat taggccgga gtgatggaat agtcatggag gacctctggt 60
 tgttgatgga gtgcgccatg taatactggt aaagctgggg ataaggactg tgaatggtat 120
 atatcaccca tacaatctga atagagaact cagagaataa agcattggcc ttcggaggta 180
 gacccgataa tgatcatctg ctgctgcata gtcggagcca ccactgtata gtaaggactt 240
 aaccatgata ctgctgtagc tacagagtct ggatt 275

<210> 22702
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 22702
 actcaagctt aaaggaccac tcaaaccagg tgtatttacc cccaatgtct agactctgaa 60
 gagtctgtta gggctctctc ctctgattc aggtccaacc caaaaaacat tttagcacac 120
 acactctatc tatgaagtgt acaaaacaca cgactcctca attattctca aaataatttt 180
 ttctcgttgc gcttggtgatt aaactcctcg ggtccccaca gtggttccca tcacaatact 240
 cttcgcatat taacttgctg cccttaaagg gtcttatagt cgtgtgatta tacgtttcat 300
 agctcacaac tcaatgcaca caacatctca atgcacatat atattacaag tcaatacata 360
 ctcaatttat cacatacact cagtctcaat cacaatggta taattccaaa gtagcatggt 420
 atcacacctc atgaatc 437

<210> 22703
 <211> 545
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22703

ccaccgcact cctcatcacc cattcgtgta agagaaatat ccaatgctaa cacgacaagt 60
 tgactanaan anacaaagaa aggagananc tgatgcctcg tgaatccctc gcaaanncaa 120
 cgcggaaccc ggcgatgctc tagagtagac ctgacagcat gcaagcttac atattgtttt 180
 ctgacgagag gccagcgact ccaagggact gaagatagcc aacaagaaga aaagaagcag 240
 agaagcgagg cacacatcgt gggcaccaaa aaggtgacaa tgagcataga gagcacgatt 300
 gaacctataa caccgaatgg ataaagagcg aacgtgatac taacaaccag taaccgagag 360
 ataaagatca caaaacgata agaaaaaaca tcctaggatc atacaggcga cattcataag 420
 cccagataaa gtagagaacc gcaataatgc cgaccacaaa gattacgcca cgagaatgtc 480
 gctgcatgat aatcaaacat gaagtaactt ctgttgaacc tcacaaactg aggatataca 540
 cggag 545

<210> 22704
 <211> 536
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22704

cgccgcgct acccccaccc ntaaaaagat anatatcgt gtgtgattaa ttagccaaca 60
 ccccccgcg ccgggcactt gaacctgtag acctcacact gaacctcaa tccagtaccg 120
 gacgaaacgc gacatggaag tttatggacc tgaccacata tagtactata agaacttg 180
 aatgtaacaa cacgtgcaag cccctatcaa tcgctattca ccaatgcaaa gcacagcata 240
 caggtcatgt aaagccaaaa gaacacactt acgtgcatta gcgaaccttg gaaatgcgcc 300
 ccaaaaagca gtgcgcgcaa acaaagtaca gagtcatcca tcaggggcac accgtatacc 360
 aaacagaaac aacacctgat tcacagaaaa attccaacac atcactatcc catcacaata 420
 tggacaactc aagacaacga tgggacggca ccggcactag aaatcaaacy agagagacac 480
 acctccgaga gaacatcaac aggttggggc gagatcccag acagacaaac ccacnn 536

<210> 22705
 <211> 382

<212> DNA
<213> Glycine max

<400> 22705

agcttgcatt gtgttggagt gtacatccac cttttaagta tttgatgaag agaaatattt 60
tcaaatagaa acaaacttat acaaataatt gattcccaga tttctaaaga tgtagaaaaa 120
agtattaaaa aaaacaaaaa acattgttta gattttttta cgtgtacatt attttatata 180
tcatttgttt aaaaaatttt atacttgtat tatttgggtc atttttttgt attaaatagg 240
taaaaaattc tactcatgta aaacacaaac ttttgtaagt tttgttattt gaaataaaaa 300
aatttattgg gtcccatatc tcatttaatg tttgtctctt gatattgtag ttttaaaaaa 360
aatcatcgg tttttggata at 382

<210> 22706
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22706

tatgaatgat atgagtcgaa ctcatTTgct atattcaatt tctattttata attattatcc 60
atactttatt tattttattta ttttataaaa aaacatttaa tgtgaattta attgattaaa 120
acacatcact taataaatca ttaaaattta taccttaatt tatattttttg tattaaatta 180
aataatataa taatgaagga aaaatccctc gagaaaaaca taattttag tagaatgaacca 240
ctcctctcac attaaagttc taccaacaca tgtatggggc gtgtacagat attgttttta 300
tcaggcgtat gagaatgggt ctatagtacc cttttgagat cctatccatt gttatccata 360
ttgatgatcc atttttgtgt tcaagagcta ctcataTTTT ttatactagt aataggtata 420
attntattt 429

<210> 22707
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22707

agctttgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgccaatcc 60

ttaccctcgg aagcaaaaaa gagaaggaaa atttccaatg aaagcaaaaa agaaaagaag 120
gaaaattccc cgatcaaaga gtgggagaaa gcaaaaagaa aagaaaggaa attccaatc 180
aaagaatggg agaaagtaaa aaagggaagg aaagaaagtt cttgaaggaa aaaacagaag 240
gaatatgcag agaggtcttt ggaccagaca atatctgaac aatacagaat tgtcaccaaa 300
tgaacgaaaa aagaaggaaa gggaaccacg acctanaata gtcttctccc tttgattacc 360
aaccaaaatc ccgtgcgcta gcga 384

<210> 22708
<211> 424
<212> DNA
<213> Glycine max

<400> 22708

ttgaatgctc tattcaatgg agttgacaag aatatcttca gactgatcaa cacatgcaca 60
gtggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactatt ggccacaaaa ttcgaaaatt tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttggga 240
gaaagaatga cagatgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattgggt cccttcaaac ctttgagcta ggactctcgg ataggactga aaagaagagc 420
aaga 424

<210> 22709
<211> 372
<212> DNA
<213> Glycine max

<400> 22709

ttgcttctac ttatgtggca gggcgggctt ccttcacctt cttgtctcca acgcgagctt 60
tgaccactgt tcttccttcc cgcgatgctt cttttcatgt ccgcctgagt gggcttatag 120
cctaaaccat acttcccacg atttccttgg gtatttatca ggctagtatt gccgcggttg 180
tctttgccta aacctatccc gggttcataa ccgttcccc aataaactcg ggccatcatt 240
actgctgcat cggacagaca aggttgccca gagagggagt ccacggagga aatgctgacc 300

acctcaaaaag actggatagc ggtttctaac gatttttctg cggcttccac ataaggcata 360
gaggatgggc ag 372

<210> 22710
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22710

ccgcttgctc taaatntaca ttgatgttg tatttattgg tataggttgt atgccattgt 60
tgttttaaga gtagcatccc ttggtaaaac taactttcca aatgtttgac ttcgcaggaa 120
atggccccga gcaagcttgc ctcaaagagg tccaggaagg ataaggcggc tgaagggact 180
agtttcgctc ctgagtatga cagtcaccgc tttaggagtg ctgtacacta gcagcgcttc 240
gaggccatca agggatggtc atttctccgg gagcgacgcg tccagctcaa ggacgacgag 300
tataccgatt tccaagagga aatatggtgc cggcgggtga catcactggt tactcccatg 360
gccaagtctg atccagaaat agtccttgag ttctatgcca atgct 405

<210> 22711
<211> 372
<212> DNA
<213> Glycine max

<400> 22711

agttttaaaa tttgaattaa aatgttctgt aactattggt aatcaattac catccatgtg 60
taatcgatta cacattgtaa gatttgaatt caaatttcta atgactgttg taattatttt 120
cagctgcttg taattgacta caatcctcat gtaatagatt acatgccttc aaaaatattc 180
aaaatcattt ttaaaagcgt tttaggaagt gttttggcca ctggtaatcg attacatcct 240
ctggtaatcg attactagag agtaaattctc ttgtaaaaat atttttagctt aaattcattg 300
gccaaacctc ttgtcgtttc aacttggaat tcccttccta aatcactaga gattttcttg 360
atgatgtatc tt 372

<210> 22712
<211> 390
<212> DNA

<213> Glycine max

<400> 22712

tctagccaaa tggacttacc ttgaatttat tccttttata gcccttttga gccttgtttc 60
cctttccttg ttttgaagct tactacaagc cttaagtga aaaccatgat attaccatat 120
ccttaaggaa ttttggagct ttggaattgt tttgggaata agtgtggggg gtttttgttt 180
cattggacaa cttgttttgt tggctatgct tcatgatgta ttttgggcca tacttgatgt 240
acattgtata ttggttaaat gttggacatg ctgaatgaaa tgttgtttct caaaggctaa 300
aaaaaaaaa aaaaaaaaaa aattcgaaaa aaattcggaa agaaaaaaaa aaaaaaaga 360
aaagctataa agttgagtga ataagatctt 390

<210> 22713

<211> 371

<212> DNA

<213> Glycine max

<400> 22713

ttgcttcttt atttatttat atatatatat aataaataga aaatattttg agccttgtga 60
agaaaaagat cattgtaaac aggtgtagca tttgttgcta gagaaatgat tatttggact 120
caccaggttc actatagcag acttggcttt aactttttca gacagcttca aattaattcc 180
atttttcatt atcaaattga tatgaagcac atgatcaaat ctttcacagc ttttattata 240
gtacagagat tatcttcaca tgaatggatg ttctttttta tataaccaat gatttttatt 300
agatatatgt ttcatagttt taattaaaaa aatcaacatg tcattattta ttagaagaat 360
ctgatgacaa a 371

<210> 22714

<211> 408

<212> DNA

<213> Glycine max

<400> 22714

tggctacttct actgaagctg agtttctacc ctcttctgt cctgacatag aatctctagt 60
gcagctgaag gatgctatag ggttcttgat ccttcagatt cagtcttctgt ttcttgtttg 120
ttctttttct tggatttatc tctcattaaa aaaatatcaa tgaaaaatat gatggattaa 180

ctggttttcc tttttctggt atcggagaaa agataatgat tttcattggt ctcattattc 240
 agtatttgga tttgtacatt ttttattggt tattatctat tcattcatta tattagtaaa 300
 ttttagttgt ttttaaataa caatatttga tgccaaaata aaataaaatg attagaactc 360
 aaggtattaa ttaataacta ttatttcatt tatcatttat aattattt 408

<210> 22715
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 22715

tgcttatact ttttattaaa ataccactaa tcaaatttta gatgaagttg aacaacatcc 60
 tgtggtacct tacagattca ttatgttaat tagcatatct ttaaataagt gggctaagt 120
 aaaattattc acaattatct atttgaagat gatgatacgt atataatttta aggataaaaa 180
 gagaataaaa tattctaagc taacaattaa tattgcaaca aatactactt tatgtatcat 240
 tccaaaacat atgagtgatt accatactat attatttatt gaattctgaa ataaactttt 300
 agatagtgga acatagttaa atgctagcta aaatgactcc tcagatgtag cta 353

<210> 22716
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22716

ngtatgtgtt agtttaggat gggctctgtc aaagattatg tctatttctt gctttcacca 60
 taggtggcaa gaagggttat tatgtgtcta ggcctgtgac tcaatcctac atgaaggttc 120
 ataacaatga cctattatca ttttgtttgg tgctggtgta gactattctc caaaaaatat 180
 aattatgaac tctacaatag aggccacgta actgaaggca gctaattttc atagcctgaa 240
 caagatttgg ttntaattga cactatttga gtccatttct taaatatatg atatgtgggt 300
 ccaatgataa gcaagactac ctgtcacttt atcagtaa atctggaggat ctcatacact 360
 agtctttatt ctacttcaga ctaactgctg attttattcc tgactaatat gtatttcatg 420

<210> 22717
 <211> 370

<212> DNA
<213> Glycine max

<400> 22717

ttgcttggtt tgaggtactt acccggtgaa cactgaagaa aaccaagaac gaacgatgaa 60
tcttgaagaa cggtcgagaa tcttcgcgaa attactcacg gaaacggtac ggaagcgctt 120
cggctaggat tttcttcatg gaaataatct tcctcagcaa atgcgataga gggagaagtg 180
cctaaggggc tgaacccttt tcttcttcac ttcttccctt atatatagca aaatatggga 240
gaagctagcc tgccagctcg cccagcgag caagggttgc ttctccagaa cgaacggccc 300
aagtgggcct ggttgcattt tacaccccca tttatactaa atgcaccccc tctctatctt 360
tttgtaattc 370

<210> 22718
<211> 408
<212> DNA
<213> Glycine max

<400> 22718

tgaagttatg tggattcttt gctttttcat attctgttta ttttatattg aatatccgtt 60
atgcaaaatt caggctaaac cctgctatc attcgttatg ttgaattgaa tcattgttaa 120
atttctcttg ttctagctga gggtacgaaa tccttgaata tccctagagg tgtaagccac 180
gtgcttttca gaactttaaa cactgatagg tgagttgtgt aagttacatg aatcatgatt 240
gctgtcggaa gattttcttc ctgtctttct accataaaat aaatgaagtt attaaagttt 300
cttcagtgat tctctgacgc agcttcattg gtcttgcaga tacatgaaat gtgtattgta 360
caatattatc ttgagaacca tatctatgaa tcgaatgcta gataagat 408

<210> 22719
<211> 310
<212> DNA
<213> Glycine max

<400> 22719

ctgcttgcta gctttaggag aaaccattct atctaccgtt gtcctagact aaaatcaatt 60
ggtgaagctt ccgcgcgcac tccccttgat aaacctttat gtcatgcctt ttattgctag 120
cgctaagtct actcgactaa ttacgggaact gaaaaaaact atattcttaa tggctggcga 180

ccgtgacaac gataggggaat tactattcat gattggtaga tgacttattg ccattccaga 240
 tcctcccca cccttagatc atacttacgc aatggtaaca cgatgtgcct ccgagataat 300
 tgctgctata 310

<210> 22720
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 22720

tgctgcggt acatacgggtg tctaaacacc gccttttagcg ctaaccatga ccgaatgttg 60
 acgcatactc tgcgtacgat aaactccata ttccgggtggc atatgctaac ttgcggccgt 120
 atcgtactta attaagccac ggctgccaca gtttctcaac ctctatcttt tcaaggatac 180
 tactcgagcg cgacatgtgc atataatgga tgagggtccga gacatgtgct tgattacttg 240
 ctaacctcgc aatcg 255

<210> 22721
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 22721

agtttcaaga aaaggccaaa ctctctctcaa aaatatgaat tcaggcttaa ataggtggct 60
 ttgttagtgc tcatgtgctt agcgcaattc tgaaccactt agggcgcat agtgaatttc 120
 ggcttagcgc ggcttttctc gctcagcgga tggaccgaag tgggtgtgctt agcggtatgg 180
 cccttcgctc agtgaacaag cacaactcat ccttcttcta gattcttctt tgcgcttagc 240
 cgaggaatgt tgcgctcaac agatagctgg ctaagctagc agattggctt agcgagaggg 300
 tgaaaatcat cacttcaaaa gttgcctaata tattctgaaa ttgagagaaa atgattatta 360
 aatacaca 369

<210> 22722
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22722

tctcccccaa ttntctatat ttaaggggag aagtgatttg aaaaagggtt cagcccctta 60
ggcacttctc tctctttcga atttgcttgg aaaaattggt tccgtgaaga aaatctaagc 120
cgaggcgctt ccgaaacgtt tccgtaatgt ttccgtaagg aatttcgcaa aggtttcgac 180
cgttcttcga cgctcttcat tcgttcttca tcgttcttcg atcttcaatg ggtaagtacc 240
tcgaaccaag cttttcgatt cattctatgt acccgtggtg gtctacattg agtttcgtgt 300
atttctattc tcattttctt tactttgtat accccctttt gacgtgctta agccatttta 360
tttaagtcat ttctcgctta aactaaagat aacataaatt 400

<210> 22723

<211> 377

<212> DNA

<213> Glycine max

<400> 22723

agcttggtat tattgtttgg attaacttct ctatcaacct ttataggaga ataaaattaa 60
aaagtaaact aaccgaactt ttttcacaaa taaaattaa cgtatgcact ttttttcaaa 120
cgcttattta acttctctaa aaactgaagt gtataagttg attttcacaa ggactcaaga 180
ccgcgggggt gtattgagtc ttcaatttat tttttttaa tgcaacattt caatcaaaaa 240
accgcagaag catataattc aaatataagc aaaagtaaga caataagagt tagagaagaa 300
tgcacttaga ttatacttag ttgattaac ctaacttatg cagtccttta agtcttgtct 360
gaaatctttt aaccgac 377

<210> 22724

<211> 427

<212> DNA

<213> Glycine max

<400> 22724

tgtcagcagc tgagttgcat tccctcaaaa catgggttagt tagtgctagc tataaggatg 60
agagattaag aatgaccgaa gtttgacaca tccttgctca caaaattata ctcaataaat 120
tgtcaaaact aaaaattgga ggaaagaaaa atctaaaaca caacttaaac attctcaatc 180
tagtatacaa tggaatttca gtttgtgtgt gggacatctc aatgataaag atgttgtagt 240

atcaatgggtt atcattatat gcttaaagtg catttcctca ttataagtag aacgactgaa 300
cttttgattt aaatggagta tcataaccaa ttcttctaag tctattgatt ctatatcacg 360
aattctatat tttcaagaag aaacaacagt gaaaattctg ccttaaaaga tgtttacgtt 420
tgaatca 427

<210> 22725
<211> 372
<212> DNA
<213> Glycine max

<400> 22725

agcttattca ggatatggga tgtcactctg caaatgtttg ggaatggaag cttgaatgga 60
gaagacacct ttttgacaat gaggtgcaag cggcaaccag tttcttggat gatattctgc 120
ggggtcatat tgatcgttgg acatcagact gctaggtttg gaaacaaaaa cctgatggcc 180
aattttctac aaggagcgca tactatatgc tactagaaga agcagcagat cagactgtgg 240
atgaggcttt agaggacctt tggcagctca aaatcccttt aaaaccaaca acatttgctt 300
ggcgattgat caaagataga atcccaacta aagggaattt gcggagaaga caactggaga 360
aaggctatgc tt 372

<210> 22726
<211> 425
<212> DNA
<213> Glycine max

<400> 22726

tatttgtacg acaccttgta cgcaaattga ctgttaattc tctcttgatt caatgaaatt 60
tttatggatg gatcttctct gatcatgcct gtgaatagaa taacataatt taaatgacaa 120
ttaatgctaa acaataacat aatatgaaca taaaatacgt acctactaca caagtgacaa 180
ttaaatatga atcaagtatc tcgtgatctt gggatcatgg catattgaga catgtgtgtg 240
gtccacccca ttgagtgaact ttocatgaat aagttttttt agatagaatt gccctcatgt 300
acaaagggca aggacaatct gcatatttat tcacgcaaca aaccacatac ttgtctcatt 360
tgctttcaac cactttgaaa ctttgatgca ccttcataac atattgtttg accgcattct 420
tgacc 425

<210> 22727
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 22727

agcttcagaa attttttagat agtagatctt ccaaaatcaa taggcgtggt gcacaactta 60
 gaaacattgg atctaagaga atctcgtgtg cttatgatgc caagagagtt ctacaagctt 120
 aaaaagttaa gacacctttt aggggtttcgg cttccaatag agggtagcat tggagatcta 180
 acgtccctag aaacactgtg tgaagtgaaa gcaaaccatg atacagaata agtaatgaaa 240
 gggttggaga gacttacaca attaagggtg ttgggcttga cccttggtcc gccacatcac 300
 aaaagttctc tgtgctcctt gataaacaag atgcaacgcc tggacaagtt atacattact 360
 actccaaggt cattactt 378

<210> 22728
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 22728

tagccaaaca ttaatttaaa attcttacia gtattgctta aattatctac gaattatgga 60
 ttgaaatctt gtaaattaat gaatccactt ttacaaaaat ttattgcttc ttttcttact 120
 ctaaattgtt gcataaactt ttataatatt tacataacct ttaggtgata tattcaatta 180
 ttcattataa tttttttatc tagaggattt ataacaacaa ctcattgtacc tttatttaac 240
 taattgaact aaatttcttg acatccatta acatttttta taatataaaa ctaatagcag 300
 taaaaatata ttatcaacta ttcagtaaca attataaact gccttttggt tccctaattt 360
 ttgtttgttt ttaaaaaaat cttataaaag cacaaataga ctcagattat gttacaaaaa 420
 tgat 424

<210> 22729
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 22729

agctttgaag cctaagagac ttgaagaaat gaagaacaaa attgggatgc acaaattgat 60
agatttgaat taagggtggtg tgttaaaagt agtataattc aaatgtaatt gtccaatttt 120
gttagtctgt gaaatgcatt agaggtttagc tataatagtt aggttggttaa ctaacgatgg 180
ttaagtctta tttagtgtat aaaaatagca tgtgattttt ttgacgctta attcatgttt 240
tccagaagtt actattttct gttattcact atctttctcc cttgttcaat cttttccaaa 300
atactaccaa gaaatcttga tcatttccaa caattatgtg attgtaattg gtatcaaaat 360
agctagtgtg gaaaataaa 379

<210> 22730
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22730

tattgctatt cagaagatct agttntcatg gcttaatttg attatgttaa gttctatata 60
tagatcagca aactgaataa acattcgggg aaattaatcc ttctaattat tggcttggtt 120
taagcgtgtc aaattaatct ccaaaataac atggataata tcattttcaa caaagacaaa 180
ttgattactt ctacacttta ttttattttt taccagctat atacttcaca tgттаатсat 240
gttttttgat agtgacggac caatcaaaag atgaatggat ttatgggaga cgaatttaat 300
attcaaacga ttcacgtat ggcagatcaa acacgaaaaa cacagtacta tcttttggtt 360
ctccgccaca gcttgcttga ataattaata catatacagt aacctcttat gttgccttgt 420
atttaaa 427

<210> 22731
<211> 336
<212> DNA
<213> Glycine max

<400> 22731

agctttataa ttcaatttcg atcgtctaga tatattactg gactcaattc gacatctgat 60
gaaaaaagtt cttgtcgcta gaatttgctg acagctccaa cattcactct ttagcgtatt 120
gatgtattac acgacttaac catacatcct aggtaaaagc tatcgctgat cgaacatggg 180
gacagcttca acattcaatt tccagcgttt agatatttta cgggactcaa tcatacatac 240

gaggtaaaag ttattgtcga ttgaacctgc tgagagcttc atcattcaat tacgagcgtt 300
 cggatattat acggcactta ctttgacctc cgagta 336

<210> 22732
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 22732

tggggttccc atcacatgtg ggactatgtg gcgatctttc gatggtgcac aacaagtgtt 60
 tccgcatcca caatgcgcgc ataaaccac catgccctgt tgaccacctc caactgagca 120
 cacatactcc cacgtagccc atatcctcgt ttctctcaac accggggccc gtaatatatc 180
 gagacgctcg aaactgaatt atgaagctct gagctaattc aaacgacaat aactttccgc 240
 tcggatgaca gattgagtcc cggaaactat agagaccacc gaggatgagc tgagcacctc 300
 ataagacatg caaacgacca ttacctttta ctctgatgtc tgcacgaatg cagtggtaga 360
 tggggacgct cgc 373

<210> 22733
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 22733

ttgcttcggg agaaacgctg tacaagacg tcagtctact ttttagcttc tccacttctc 60
 cgacattggg aggattgtgc atttgcagta tcatcgta ctcgtcaatg atggctttta 120
 tccccttgtg ggtgatcatg aacccacga atttccact ttcaaccca gacgtgtact 180
 cttcaggatt gaggcacatg tcatacttgt gaatctctac gcacacttcc tcccaatcta 240
 ttaagcgttg ggctacacta tgagactgga cgaccatgtc atccacatag aatttgacat 300
 gttggcctat atgctgttta acgaccggg ccatgatcct tt 342

<210> 22734
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 22734

tcccgtgtcc gcacttgga agatcttatt accgccttcc taaggcagta tcagtacaat 60
tctgatatgg ctctcgaccg tactcaactg aagaatatgt ttaagagaga gggtgagacc 120
tttaaagaat atgcgcagcg atggagggat ttggcggcac aagtagctcc tcccatgggt 180
gagagagaga tgatcaccat gatggtagac actctgccag agttctacta tgagaagcta 240
gtgggttaca tgccgaccag ctctcgcgat ctggtgtttg cgggggaaag aatcgagggt 300
ggattgaaga gaggaaggtt tgattacgtt tcctccaca acgtgaacgc tcaaagaatc 360
ggggcatcag gggcaaaaag gaatgaagga gatgcccatg cgtctcttcc tacac 415

<210> 22735
<211> 372
<212> DNA
<213> Glycine max

<400> 22735
tgcttgactt gtcttgtaa ttggtatact taaataccaa taagcataag atattatttc 60
taaattttaa ccttttgaag ctctagatgc tgacgagctt gacttggttag gttgtttatt 120
tatataaaca ataagcgtca gaggtcccat gtgaatgtgt tgggatgaat gatgtgatac 180
attaacattt ttggttgga gattttcagt actaagtac aacttggaact tgccactgaa 240
aatgtaatag aataatatgt tgcaagtcac ggttgggtctt aaaatataaa accagagggg 300
taaattttaa gcaagttacc ttgactgaaa attgcctatc caggtatgca aatctgggtca 360
tttcatgca at 372

<210> 22736
<211> 402
<212> DNA
<213> Glycine max

<400> 22736
tgcatgcatg tgaagagaaa gccagatgga aagtgtatca ttcagtagtt tataaaggaa 60
cataatcatg aacttgtacc agctctggca tatcattttc ggattcatag aaatatgaaa 120
ttagctgaaa agaataatat tgatatcttg catgctgtta gtgaacgaac cagaaagatg 180
tatgttgaaa tgtctaggca atctagcagc tgtcaaaaca ttgggtcttt cttgggtgac 240
ataaactatc agtttgacag aagccagtat ttggcttttg atgagggaga tgcccaagtt 300

atgcttgagt attttaagca tgtacaaaag gagagtccca acttcttcta ttctatagat 360
 ttaaatagaag agcagcgctt aaaatatcta ttttggattg at 402

<210> 22737
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 22737

ttgtttctat ccaaatagac ttaccttgaa ttaattcctt tgatagccct tttgagcctt 60
 gggtcccttt ccgtgttttg aagctcacta caagccttaa gtgaaaaacc atgatatcac 120
 catatcctta aggaattatg gagcttcgga attgtttagg gaataagcat ggggggttta 180
 tgtttcattg gacaacttga tatgttggct atgcttcattg acgcattatg ggccatactc 240
 gatgtacact gtatattggt taaatctagg acatgctgaa tgaaatgttg tttctcaaac 300
 gccatagagt tctatgacat aattatccga aatgagatag tcgatcatag aaa 353

<210> 22738
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 22738

tcacaaataa ctttctaagg cagtgttcag tgcccttact gttagcctct cgtaaagcac 60
 taataaattc ttgatcactt cctagaaatc cttttgcaaa gcatgctttc ctaaattgtat 120
 catacaccac attatcaact gttctaattgt ctttgtaaga ctgtggacct ttagcagagg 180
 aaagcattat tctgaagtaa aacaattcgc cacttgaagg tgggacccat atgaacatgc 240
 ctattgcatt tccttgcttt cttggatgcc agcatctttt gcatagcaac ataaacaaat 300
 tatgacacat attgaggata agacacatcc cgtccataac ggtatatattt gttataatgc 360
 atccaggctg tgaacattga tt 382

<210> 22739
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22739

cccgccacac cgcgcgagtga acacgaatca gaggaggtga gtggcaacag accaacggct 60
catgctgtgt gnataaanna annaaganag agtgtatgtt gatgacgtcg tagaaccaac 120
gcgagngana acgagcaacg cgcgggaggg accaagacag acggccggca ggcaagcttg 180
gtagcacaaa agaacggacg aaagggagac caaagagaga gaagcacgag agagaagcaa 240
cagcgaaacg tgacgagggc aaagaagaga aacgcagagg gagcgcacac cagaaaccgc 300
aaagcaaaga ggcattcaca cagccgggag agacagcgaa ggcaagtgt gcaacacagc 360
gagaggcagc acgcgacggg cctcgacgcc gaagcgcaag ccctacagaa ggagactgag 420
accgcatagg aacgcaagac ccacaccgag gacaggacta aaacaaagac caccaagaga 480
acacgaccat agaccacgac aagggggagg aaaccggaac agcagagcgc agagagaaaa 540
gaaacg 546

<210> 22740

<211> 333

<212> DNA

<213> Glycine max

<400> 22740

cagctgcttc attttctgga cgtttagtag aaacacgaat tgagcatata tatccatata 60
gaaaaagaaa cgggtgaagc ttatgcagaa cgattctaca actatcatga gcgatttcta 120
agcaacgtga ctgactcaca ctacacattg gcatcgggtga cagatatcat tgctagcctt 180
ggtgccagtt tccttcggac atcgatacca cccgtggaga tgaccacaca ttctactgag 240
cgccctatga ccagaattat catgaggaca tgactaccat tatacacact catattatta 300
gtattatgag cctaagttga ctcatggaac gac 333

<210> 22741

<211> 381

<212> DNA

<213> Glycine max

<400> 22741

cgtcttgcac agccgctctt ggtgctcata agctcctttt aacaaatccc ccttttgtac 60
tcctatggag aattccctag gaccagaatg tacaaccttg aaactggaga tagctcccct 120

ctatcttttc tgcactaaac ataatcaa at gctgtcaaaa catggatgaa gggctgagaa 180
aatctacatc acagaagaca tggatgagat cacacttaaa aagcacaacg ccctatcttt 240
cagagaccct cggctgatga gtcctgtgtc cttatgtagg ggggtagcgt ataacacacg 300
tatacttttg ccttccaaaa aaaacttatc actattcctc ttttcgttga gacaaccctg 360
catgttattg tataaaagat c 381

<210> 22742
<211> 205
<212> DNA
<213> Glycine max

<400> 22742

aaccattgcc gaggatcgac cttctgcaac catacattcc cacaatcact gactcgatag 60
gatgctcatc tatgcacact ccactacgga tatgccaca gctgaaagag ctgccaccgc 120
tgaagtataa cactatcacc agccggatga agatgcacaa gggtaagcaa caacagagac 180
aagccgctct atcgggtctta aaaga 205

<210> 22743
<211> 369
<212> DNA
<213> Glycine max

<400> 22743

tcagctttga gggcgcgtaa ccacccatct ttcatagta gagtatcgat aatgtgtcta 60
ccatcacgat catcgtctcc ctttccatca ttgggggtac cacttggggc gccagatccc 120
tccacctttt gggcgtgttc tttgaaagat ccgtccccct ttttgcaa at gttctgtaga 180
tgcacacctat ccagaacct atcaaaattg tactaatact gcctaacaaa ggcaaccatt 240
aggtccttcc aagaatggac tcgggaagat tccaagttag tgtaccaggt tacagctacc 300
ccagtaagac tttcttgga ggaatgtatc agcaattcct catcttttgc gtagtcccc 360
atcttctga 369

<210> 22744
<211> 366
<212> DNA
<213> Glycine max

<400> 22744

taaggctggt caattgctct tgattgctgc acagataggc aaaggctctat atagtgggtcg 60
tcagaggagc ataaaccata gagtcttgcg acagggtgcag atttttgatt catgggcagt 120
tgggttacca ggtaaccaa ggcgtctggt ttaccttcaa gcttcttagt ttcaaatgat 180
gcagctgagt ttgtggctac ctcatgcact cctctaata ga ctatagcatc acttttgggtg 240
ctaaactatt gggagttgga tgccatcttc tctattaaat ttcgagcttc aacaagggtc 300
atgtctccaa cggctccacc actggcagca tctatcatat tactcttcat gctactgagt 360
tcttca 366

<210> 22745

<211> 369

<212> DNA

<213> Glycine max

<400> 22745

agttttgttc tttttataaa atgagaagtt ctgaactcat cacgttatct aaaaaaccct 60
tgggggtggat ccaagtgtc cgatcattca ttgcatatt catgttttgg tggcatactc 120
acctttgttt atttcttttag gaatttcac ataactaaga aacaccaag gcaccctat 180
aacactcgat ccagaaaaat ggatgatgaa gagggcgtgc aggaacagat gaaggccgat 240
ctatcggcct taaaagatca aatggcttcc atctcggagg tcatgttaaa actccagaaa 300
actatagagg ataaagccac gacaaccgcc tccagtacag ttagggaagc ggagccggtg 360
ctgcaaccc 369

<210> 22746

<211> 417

<212> DNA

<213> Glycine max

<400> 22746

acttccttga gaagcttctt tgagatatct ttcttgtgaa gctagagggt ttctacacac 60
accctctca taactaagct gacctccttg agaaacttcc ttaagaatat tctaataaga 120
gctatagctt agttacacat acctctgtaa tagctaaact cacctccttg agatgagaag 180
caagagctta gctatagaca ccctataata gctaagctca ccccatgac aaaaaaacat 240

gaaaatacaa aaaaaagtcc ttactacaaa gactacttaa aatgccgcga aatacaaggc 300
 taaaacccta tactactaga atggccaaaa tacaaggccc agacgaagga aaaacctatt 360
 ctaatatatta caaagataag cgggctcata cttagcccat ggactcgaaa tctaccc 417

<210> 22747
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22747

agcttttatc tcggaggccc gattcatgcg cataatatat cgagacgctc gaaattgaac 60
 aacggaagct atcgagaaat tcaaatggc aatacttcga actcggaggt cctattaagg 120
 cgcataatat atctagacgc tcaaaatddd acaatggaag ctctttggct atacaaatgg 180
 tcataacttt tcaactgaag gtccgattaa ggcgcataat atatcgagac gctcaaaatt 240
 gaacaatgga agctcttgag caattcaaat ggtcataact tgtcactcgg aggtccgatt 300
 caggtgcata atatatcggg acgctcgaaa ttgaagaatg gaagctcttg agcgattcag 360
 atggtcataa ct 372

<210> 22748
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 22748

ttgatgtaac attaggagag gttaatgaaa caacgtgatg atgcgcttca tgagagggtg 60
 gatcaaagg agaatagaga ccatatgaat tgctcaagag cttccattgt tcaatttcga 120
 gcgtctagat atataatgcg cctcaatcgg acctccgagt taaaagttat gaccatttga 180
 aatgctcaag agcttccatt gttcaatttc gagcgtcacg atatattatg cacctgaatc 240
 ggacctgcga gtgacaactt atgaccatct gaattgctca agagcttcca ttgttcaatt 300
 ttgagcgtca cgatatatta tgcacctgaa tcggacctgc gagtgacaac ttatgaccat 360
 ctgaattgct caagagcttc cattgttcaa tttcgagcgt ctcgatata 409

<210> 22749
 <211> 379
 <212> DNA

<213> Glycine max

<400> 22749

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gtcggcagag gagcataaac catagagtct ggcgacaggt gtagattttt gattcatggc 120
cagttgggtt accagggtta ccaaggcatc tagtttacct tcaagcttct tagtctcagc 180
tgatgaagat gaattcttgg ctacttcatt cactcctcta atgacaatag catcacttct 240
ggcactaaat tgttgggagt ttgaacccat cttctcaatt aaatttctgg cttcagcaag 300
ggtcattgtct ccaagggtc caccactggg agcatctatc atacttctct ccatgttact 360
gagtccttca taaaaatat 379

<210> 22750

<211> 425

<212> DNA

<213> Glycine max

<400> 22750

tctatataag ctgaaccatt ttatcaataa acacaagttg agttttattc agaaaattag 60
agtttatctc ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac 120
accctggctg tatcaaagga ctttgacaac ctttgtgtgt tgccctcgct ggaaagagtg 180
attctttcct tcctttcatt ttcacccttg ttctttcaaa ccacaattcc agaaaatcca 240
cctctgcca gaattatctc gtggccataa ctccattttt acgcactcaa attaagtgat 300
tcttgagcct aaattgactt taaaaacgag acctttcacc tcattttgga atcacctcat 360
ttggagccct gtagcttcag ttattgccat ttctatattt ctgtccagcc accacttaac 420
ctaca 425

<210> 22751

<211> 379

<212> DNA

<213> Glycine max

<400> 22751

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ccatatgagc cgaatgtatt gaaaagaagt ccctacataa cgagggcagc gcctttaaat 120

ctaatacgct cttcaatctt tatttttttaa atgactggct tgattcaata tatgtgttat 180
 atatctttca ttgtcaatgg ttcaagactt taagatggga aaccctcata tggttgactc 240
 taatactctt agacctttcc tatgtaaaaa aaaatgaact gcattgggcg tactctatct 300
 agaagataga aatattatgg acatctgtct tcttgctagt tactaccact gatgaatgta 360
 tatatttcca atctactaa 379

<210> 22752
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 22752

acagtattgg gaactatata ctagctatct ttacgtttgc attctgctta tctcatacta 60
 ggacaagtca tttaatgctt ttaccaaaca ttttcttaat gcccttttgc actcattagc 120
 tccaggagaa tgaaatacat acttattctg gtgttttctg tcacttgacc ttgtgggaga 180
 acctttgttt acacagggga tggagaatgg ggaaatctgt ataagactgt atgcattgat 240
 ggatacttag aagggtgtgcc atcagcctac acttgctacc ttcattgtgtg aatagataat 300
 tccactagaa cttgcactgt ctagctgaag cgccttagtg tcttaagcat taacaattga 360

<210> 22753
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 22753

agcttgtcta attcatttct cttccatttt cttccctttc atctcacttt tatatttgta 60
 agtctctcat gacaatcaga agctaaaact acccattatt gggagctttg caaaccaaac 120
 tctctttgat gtaatgattc taaactatat attaatatga tgttgatatt gttatttata 180
 tttgtgttca ttcacatgtc ttogatctga tcatccattt tcataaaactg ttttaggatt 240
 taggcattgg aaaatattta tatgctagaa ctggggaaga acatttaggt aatccatctc 300
 tagggataga gtgacattgt ctagcctatg catgcatctt tgctcgtaat gcaaattatt 360
 taatataact ttttaaggat t 381

<210> 22754

<211> 428
 <212> DNA
 <213> Glycine max

<400> 22754

tctagaactt ggtacgaaaa actaagttca ttgttcttga aaaatgggtt taagtgagga 60
 atagttgaca taacactctt tcgcaaaaac taagattatc aattttttatt agtgcaagta 120
 tatgtagacg atatcatttt tgatgctact aatgaaatgc tttctgaaga tttttctaag 180
 ttgatgtaga cgaaatttga aatgagcatg atgggagagc tttaaattctt tcatcgatta 240
 caaataaaac aaacacccaa aggcttctac attcttcaaa ccaagtatgt gaacgaattg 300
 ctgaagaaat tcaacatcga caatgcaaaa gaaatgaaaa ctctaatagca ccccatgaca 360
 tacctcggac tgaacgagta atcaacaaag gaaagtgtgt ctatgtggaa gcaatgattc 420
 actcacta 428

<210> 22755
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 22755

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 agtgtaaatt ttgaaacaat aagagctaata atacaatcag atacctgaaa gtgataatgt 120
 atgttgctat gatccctaac aatgtataat tagtccctgt tagatcacat ctatctttac 180
 atgatcttgt atatattatt acacataaac ttatgattct gattgatatg taattaccta 240
 ataatacagta gttgattgat atgtaataca tattgattct gattttctcca ttataaataa 300
 ggatgagatg tggatcatcta agacacataa ttacagtcta actaatacac tgctgtatgg 360
 tatcaaagct tagggatttc ttgacaga 388

<210> 22756
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 22756

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catttaacaa atccaatata atagtcattg ccttggtgct taatccacac aaaactttta 120
tatgatataa tttgattata aattcaagtt ttgtgtactt gcttccttca tacaatgttt 180
gactcccatc gtttagaagc tcataaaaagc cattatgata ttctcttggt tcatcattta 240
ctatttcata ttcatttaat gggtgtgatg cacctacatt aaggatcatgt tgcctatatt 300
gttcaaagtc gtcattgata atcatttcca ttgggttttg aggttgaaca ccactatctc 360
ggaaaacata ttccacttga gaagattcta atgcttgctt ttcaccatga 410

<210> 22757
<211> 375
<212> DNA
<213> Glycine max

<400> 22757

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tccgctaagc gcaacactca tgggctaagc gcgaggaaga ctctagaaga agatgtgcta 120
tacaagttcg ctaagcgcac cacttcatct caciaagcgc actgcttcag ttcacccgct 180
aagtgagaaa ggcacgtgct aagccaaaat tctaataatgt gcgctaagtg gtccataagt 240
tcgctaagcg cagcagcagc aacaaggcca cctatttaag cctgaaatca gatttcagaa 300
ggggagtgtg aactaggatt caaatctttg catgtctagg gtttctagag agagaaagggt 360
ccaagttcga gagag 375

<210> 22758
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22758

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gtaaacctta agatatagaa cataagtaag actcccacta agctaaggta ctatcaagaa 120
ttaaacccat attatcaatg tgctcatgaa aaactttaag tgtcatacca ttagtaagtg 180
gatcagctag catcaaatga gttcctatat gttatataca aatctgtatt tttttgaatt 240
ctttatttaa caacaaaata ctttatttca acaaactttt acttggttga atccttaata 300
ataccactaa gatattgttc caataaacac ccgatgacta cttaatgttg gcaacaacag 360

gcaagcctat tacaataatt tagcaataat aaattctagt atgatgtctc atagc 415

<210> 22759
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22759

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cacattaatt tgaagcctag aacattaaat aatgaagcaa atactccaaa gcaggcccaa 120
aacaacaaca gtacatgtaa atgcaaaaga aagcagtgtt tgactgttta tatatactat 180
caaaacttgg atttaattca tgggtccaac tatttgacac cctcctttat tttcttcata 240
ccacttgtat tttttaaaact cctatactac ccatgtccct ttgtacctgc aatcccttct 300
atttctctcc taccctctag tctctcccaa attcacaccc ctaaaccctt tgatgctctt 360
cttcttcttc atcccgtg 378

<210> 22760
<211> 415
<212> DNA
<213> Glycine max

<400> 22760

tcgatctaatt tcttctctaa aacaacttgg gaagctatat tacttcttgg gaattgaagt 60
caagtctatg gctgatggct ctattcttct aactgaaaga aatacataag atatcttcta 120
cagaaaacta aaatggcaga ggctcaacct atatcttctc ccatggtttc tggatgtaag 180
ctcactaaaa caggagcaga tatattctca gacccactc tgtatagatc agtgggttga 240
gcactccaat actccaccat aaccagacct gagcttagtt ttgctgtgaa caaagtatgt 300
caattcatgg ctaatcctct tgaaacacac tggatagcta taaaaagaat cctcccatat 360
ctaaaaggct cgttacatca tgggtcaagta cttgagctat acacgagctg agtat 415

<210> 22761
<211> 377
<212> DNA
<213> Glycine max

<400> 22761

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agtttgtatg gttaaagtct cagcattgtc atgtgtcat gcaacaattg ttagtcgtgg 60
ctatacgaga catcttgcca aacaaagtca ggtaacaat aactcgcttg tgctttttct 120
tccattctat atgtagcaaa gtcattgatc cagtcagtgt tgatgagttg gaaaatgagg 180
ccgcaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240
ttcacttgat tgtgcacctg gtcagagaaa tcaaatgttg tggctctgtt tatctacggg 300
ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatagaaag aatctatatc 360
gtctagaagc atttatt 377

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<210> 22762
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 22762

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cagcttgtaa gctaaagtct agaaagaata ttgatagttt tttgaaaatt ctccggttta 60
ataatgggtca agtcattaat ggcatacatg taaataattt gattttattc tagaaataga 120
aatcacaaga ttgaaagaag aaaattagtt attaattgtaa gtaagggttag aaattaagta 180
gggataatta aggttgacta atgatgattt agatttcatt gaattagaaa aagggtgatt 240
aagtcataag agtttaaagt ggagggcatt ttcataaatc actatacaat tagttctaaa 300
atagaatttt aatttaatta gttctgacta attaaagtgt ctaattatat gatgaagaat 360
aattaaaata agttaaagtt gtaaaaccct aaaaattac aactcatatt aatagacaaa 420
a 421

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<210> 22763
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 22763

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tgcttatagc ttacagaaga agaagaagca tcatcagcaa ctttcacaat actgatccaa 60
ccagacactc tattttgggt accaacaagc ttagcagcga gtcctgtttc tggtagaccc 120
tcgacgatag tccacttgga acgtgggtcc cacttagaac gaattggact tgggggacac 180

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cctggactga gtgtggatgg aaacacaccg aactgaatgc tcttgaaaag ctggccttgg 240
 gtgatgaaag cgactcctgc tgatcgagat gcaatcttta tcggtaaccc ctcacagagc 300
 tcgttgccag attgctccac agtcagaggg catgtttcga ttggtgctgt tgctacttgt 360
 attccacc 368

<210> 22764
 <211> 363
 <212> DNA
 <213> Glycine max .

<400> 22764
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 gcttctgagc tcattcggga cttaatcata gaataatgcc tggagaccaa ccatagtaaa 120
 aacattcgaa attccgaaaa agaaatattg gggaaccaac caccacacac tcattggaat 180
 gggtgcattt ggtttatcaa ctggaccata ctcttgcgct gtcttcaatc tttgcctcaa 240
 caattgcagc tgacttaatc atagaaagag atcagtttaa atctctcaaa cattaacact 300
 ctaacaaaac taacaattaa gatttgctaa aaaaacaata tgctcacatg acacaagtcg 360
 ttc 363

<210> 22765
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 22765
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 aggtggcttt gttcgcgctc atgtgcttat cgcaattctg aagcggatag cgcgcatlag 120
 tgaatttttg cttagcgcgg cttttctcgc tcaccggatg gactaaagcg gtgcgcttag 180
 cgggatgccc cttcactcgg cgaatatgca cagctcatcc tccttcaga ttcttctcgc 240
 tgctcagccg agaagtgttg cgctcagcgg atggctcgct aagctagaag atgggcttag 300
 cgaaaggggtg aaaatcagca cttcacaact tgctaatta acctgaaatt gagagaaata 360
 tgattattaa acaca 375

<210> 22766

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22766

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 aaccaccatg acctctccag cgcttggtc aatcccggaac ggcggaatca tccccctctt 120
 acatggtcga atccttcaca gcagcagcaa caacaacaac aaccttattt tcaaaatgct 180
 actggcccaa gcagaccata cgttcctcca ccaatccagc agcaacaatt gcaaccaccc 240
 tataaaccag cataagatga agctgcttcg caaccttccc ttgaagaact cgtgaggcac 300
 atgactatgc caaacatgct gtttcaaaa gagaccagag cctccattca cagctnaact 360
 aatcagatcg gaccaatcgc tacacagctc aatc 394

<210> 22767
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22767

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 gctagattct tatctatccg caccctctta ttaactaaac taactctctt atgaactatt 120
 acggacgaat ataacgcata aaataatcga acatcatata taattactaa taatatatat 180
 agatatatat atcacggtgt tacaggaata cttatatgtg caacttgctt tatgacatcc 240
 ttcagttcat cgatggtaca tcctgaaaga atatcaaatg tctttggatt gtttactgtg 300
 aatgcgtaac ctgaaagat gttctggcgt ggcatgttcc acctccggtt gtaatacaag 360
 agcgcgtcat gagtatg 377

<210> 22768
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 22768

cgacactaag aaactcagct tgagaagttt agacatgtta catgtcacgg ttttgtttgg 60
 atcaaggata aaatggatgc cccacattat ttccatgaca caaatgcaaa aatgatgatt 120

tggaaacttt atgcaaaact ggtcatgcat gcacctatgt ggacactcaa gtgtcaaatt 180
 tttatgggtca tgtgattcta gggctcacga ttcatttctt ctattatagt caacccaacg 240
 tttccaaaat atgttctttt atcaatttgt gcattcatcc gagttcattt tgggcgtctg 300
 ggaaaatctt cacagcattc acccttcagg tgtatacaca ttttttcata aactaggtat 360
 gatcagtga tttttttcaa agaaaacgtg gaagtcattt cttttcaaag cattg 415

<210> 22769
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 22769

agtcttaaga aaaggcccaa ctctccttag aaatcagatt tcaggcttaa ataggtggct 60
 ttgttcgtgc ttgtgcgctt agcgcaattc tgaaccgctt agcgcgctt agtgaatttt 120
 ggcttagtgt ggcttttctc gctcagcgga tggactaaag cggctctgttt agcgggttga 180
 cccttcgctc agctaatatg cacaactcat cctccttcca gattcttctt cgcgctcagc 240
 cgagaagtgt tgcgctcagc ggatggctcg ctaagccaga agattggctt agcgagaggg 300
 tgaaaatcag cacttcaaaa ctatcctaataa taacttgaaa ttgagagaaa atgattatta 360
 aacacacaaa atg 373

<210> 22770
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 22770

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 agagcaaagg cagaaaactc tgcctcaaaca ccaacaaaaa tcacagcttt tctcacttaa 120
 agaccccgat aacaattcct tcgatccaat tcgttaaccg ttggatcgac tccaaaattt 180
 tactggaagt ttatagtaca taagcctaca ttgtgaccgt tgggatctac tagcaaaactt 240
 ccagaactca ttctgtacta ctctttccac agcctaccac acacaagcat ttttctgcac 300
 aaagccaaaa ttctgctgca cctatttttaa cagcaaaatt ctgcataagt gcagatttctg 360
 aaaaatcatcc ttctctcat ccaatcttgc ccaaatcaat tcctacaagt cccaaatcat 420

gtatcaatca

430

<210> 22771
<211> 374
<212> DNA
<213> Glycine max

<400> 22771

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aagcggaatg gagaaggaag aaagatgatt ggagatgcca cttcaaggag aagatgagtc 120
aagaacaagc tcaccaccat aagaagccat ggataagagc ttgaaggtag gagaagatga 180
gtggagggag aaggagagaa ggagcacgaa atttagttcc tcaaagtagg tatgaacttt 240
gaagtgtaat tctcaaatga tcaaagttca aaaaatacac acatatggcc tttattttata 300
gcctaagtgt cacacaaaat tgtagggaaa tttgaatttc tattcaaatt tcacttgaat 360
ttgaaattga attt 374

<210> 22772
<211> 427
<212> DNA
<213> Glycine max

<400> 22772

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tcttaaagca aaaatggcat ataacctcct ccataaata caaacatcaa tgtaaattta 120
gagcaagctt atgcgcatgt ttcocttacga acgttcactt gcggaagata tcctattaac 180
cgaaaaaatg cacccatata caatcaaggc agctttgtta cctagattat ttacacgtac 240
ttccaagggtg tattttgttac ttacatcaca cacatctcct tggttaaatt cacatacatg 300
catactccaa gcatttgggg taccaaaaat tgcacatgtg cacatcttgg tattttctaat 360
acctatacat acacgaactt catgatgaat cttgactatc tacacaataa ggtgctacat 420
ttcatgc 427

<210> 22773
<211> 362
<212> DNA
<213> Glycine max

<400> 22773

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gacagtcttc acatataccta aggatcttga caatcctgag agtcactcca tcgccagttt 120
tcatacagccc aaatgccacc gcaagcttct cactgtggta cctgacggca tactcccttt 180
cttccccctta caactcgtgc atcgcggaact ctggcacggg tgcatagcct gcataccttgc 240
acctccatat caactcatcc aagaaaactat aaatctcatt agtctcacgg tgagacttgt 300
cacccatgct aaaaagataa ctactattgt caacatctat ggtgctataa cccacttgct 360
tc 362

<210> 22774

<211> 169

<212> DNA

<213> Glycine max

<400> 22774

agaacctgct tattattata gggcaccact actgaccggg gatgggctcc attctgataa 60
cgatccccct actactgaca acaccctcct attttatttg gtggcaacca ttctacagta 120
ccgcaacaac cacttttctaa ccattaatca cgacatattt tggtcatg 169

<210> 22775

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22775

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aaaacatgga agactggatg aatttttctg ggaagaggga gaatccactt gttaaccacc 120
acaccacact ttgttaatac ctggaaagga tcataaaacc tggggaagaa gtttttatta 180
atccttttta gcaaaggatc tggcactgta aggattccat ctatgagaac acccaactta 240
ccgactaaca tattctatgt cccggcgggcg cctggtggca attgctcgca tgatatcttg 300
agacttcac aaattttctt aaagtaacca ataattcatt ctgagcaatt gtaatttatt 360
gcn 363

<210> 22776
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 22776

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attttccacc atagagatgc aacagaagat aaaggaaaag aggtgagaag aggcgtcatc 120
cactagggaa taaactatgg aagaagaagc ttcaccacca agagagtgcc ttggataaga 180
agcttagaga ggaagcttca atggaggaaa agaaagagag agagaaagag agagggggga 240
acacaaaatt gaaggaggaa aagagggaga gaagttgaac tttgaagtgt gtctcacaag 300
attctcattc atcaaagttg caacaagtgt tacacatgct tctatttata gcctaggtag 360
cttccttgag aaaatttctt gagaagcttc cttaagaaac ttccttgaga agcttctttg 420
agaagc 426
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<210> 22777
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 22777

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aatcaagata agtatgaaaa agtttttttca aaaaactgag tagcacatgg attttttctca 120
aaacatgttt accaaagagt ttttactctc tggtaatcga ttaccatatt gttgtaatcg 180
attaccagta gcaaaatggt tttgaaaaag ttttcaactg aatttacaac gttccaattg 240
atttcaaaaa gctgtaatcg attacaatgt tttggtaatc gattaccagt gtgottgaac 300
gttgaaattc aaattcaaat gtgaagagtc acattctttc acaaaaaggc tttgtgtaat 360
cgattacact aatttggtaa tt 382
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<210> 22778
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22778

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 tgctaaagtg attgatcata attctgattt ctgaagacgt gttactaaag agaaatttat 120
 agttctagct tgccccataa tattctttta agaaacgtgg aatgaaaagg tatttaattt 180
 taaattcgac tttgctgacc attacgtacc aaatggatat ttagcaatca ttgaggaaaa 240
 cttttattaa aaaataaaaa gatggaatat ttaatgttgt tattaatagt gtctccattt 300
 taattttaaa aataatatat atataatatt aactntattt gtttactggc aatattatgt 360
 cacaaaacct tgaagtgctt atggatntac aagttcaaag aaaatgcttt catttcatcc 420
 gtttcgt 427

<210> 22779
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 22779

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 cgccctcttc gttatagact aatatttcga ggcttaaaga ttgaggatta ggtgcagctt 120
 gcgcactggc cgcaatatcg aaccgctaaa cgagcaatga ggatggcggc gtctaagctc 180
 gatgactgga tacagggatg gtctaataccg gtccgttgat cgcgatgact gtgagttaat 240
 atattcatgt ctgctgagtc tgggtgcata tgactacttt cacttaatcg atgcttgctt 300
 cactcaatgg atggctcgct aatgcacatg attggcttat atagacggtg attgatcaca 360
 cttcaactct atccaatgtg acttggtggt gagagaaaat gatattagac tgcgaatt 418

<210> 22780
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 22780

tatgcacgga aagtgtatt atgattctga tatgctcgaa gaaacaccat tttctaggta 60
 accatgcatt atgtaccatg ttcaattatt ctgttcttaa gtgaaacggg attatgatcc 120
 caacaccgtt ggctcgtgga gcctaacaca tgaaactaat aatgtattgt gaagtttcac 180
 gcttccccct tctttcgttg tgttttgtag aggaaaacgc ttggatgagc ctacatgaga 240

acaaatggta tgcacatttg cacatcaaaa agtgctttga acgcatatgc ctgacgatgc 300
catgactcat gcaaaatgtg aggctggaat atgataatgg acaaatgcat gatatgtcca 360
ttatgatgtt atgaagagat gcttatgcta tgcatgatat gaatg 405

<210> 22781
<211> 375
<212> DNA
<213> Glycine max

<400> 22781
tgtctttgtg gttgattggg tgggtgggtaa tgagaagggc tgatattggc tgagtaatga 60
cattgttgag ctggtgagaa atttggccat gtaggaacga cagtcacaac atgggttcct 120
tcttccttct catcctctct atttgcccc ggctttttat ttgtcaaagc aggatgatca 180
aatttgcctt ttttttagacc cacttcgata ctttcaccgg cgaaaacaaa atccgcaaag 240
cttgaagctg tgtaaccac cattttctca atagtagaac accggtaacg tgtctactat 300
cattgttatc atctcccttt ctatcatcgg ggggtgccact tgagctgccc cagtaaggct 360
ctcttgaaaa aaatg 375

<210> 22782
<211> 419
<212> DNA
<213> Glycine max

<400> 22782
tgagatgagg aagtgtagaa ggggtgatact tcttgctttt attcgttgac cacagagtgg 60
tacctggaga tatgttcga ggggtcaagag accttgggaa cgtcaggtgg ggtgctattg 120
cccaaaacca agcttgacca atcccgaacc aaccgagca tagtcagtca gtgagaacct 180
gtgatgtacc taaacaggcg agtcctggc agtcaacaga taaaaggaac aaagaccaca 240
aagcaaggag gcttgtgggt gctggccagc tgtgaatctt gtgtgatata tgggttatgg 300
cctctgctaa tcgattacca aggggtgggta atcgattaca aggcctaaaa atgaagacag 360
gaggctaaga tgggtctctgg taatcgatta ccaagggggg gtaatcgatt accaggctt 419

<210> 22783
<211> 378

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22783

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acaattctga tatggctcct gaccgtactc aactgcagaa tatgttcaag aaagaggggtg 120
aaaccttttaa agaatatgcg cagcgatgga gggatttggg ggcacaagta gtcctctcca 180
tggttgagag agagatgatc accatgatgg tagacactct gccagtgttc tactatgaga 240
tgctagtggg ttacatgccg tccagcttcg cggatctggg gtttgccggg gaaagaatcg 300
aggttggatt aaagagagga aagtttgatt acgtttcttc cacaaacgtg aacgccaaaa 360
gaatcgnggc aacagggg 378

<210> 22784
<211> 418
<212> DNA
<213> Glycine max

<400> 22784
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ggaatcttct ggagggccca agtgggcctg gttgctatct gcaccccat ttttactaag 120
tacaccccc ttttctatct ttttgtaact ctttttctgt aacgttacaa aactttacga 180
acttcgtaac gatacttatt ttttctctg caaggttacg aacccttacg acttatgtat 240
ttactctttt ttagctttca aagaagttac agaaacttac ggattgcgca aaaacacctc 300
tttttgactt ccgccacatt acggaagttc acggatcgca caagcctgct tccttttgat 360
ttctgagaca tctcgaaact tcattttattg catgtcatca agtaataatc cccggacg 418

<210> 22785
<211> 358
<212> DNA
<213> Glycine max

<400> 22785
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atatcatctt caatgaaaga ctattcgtga ttgagtataa atcgactgt acaactgtct 120

ggaactaggt atattaatgg cttacttgtg ttatgagaga tgtgccaaat aacttagtac 180
 agttgggctt gaaatTTTTT gacttatggg agcgatctga ctgagataaa cattatataa 240
 taaagaccaa taaatatcaa gaaaaccac ttgccgaaaa aatgcacttc ctacatcatc 300
 taacagagga ctcttgatga atagacgagg tatccttact atggagataa cacttatg 358

<210> 22786
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 22786

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 tttgacccat gcgggcgttg aaaagagggc atggagcatc tccttccttc ctttttgccc 120
 ctgctgcccc gattcttttg gcgttcacgt ctgtggagga aacgaaatca aactttcctc 180
 tattgaatcc aacctcgatt ctttccccgg caaacaccat atccgcatag ctggacggaa 240
 tgtaaccac tagcttctca tagcataaca ctgccacagg tgtaccatca tggggatcat 300
 gtctctctca accatgggag gagctacttg tgc 333

<210> 22787
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 22787

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 aagaaggatg accctacggc tgcaaactcg acaatcccgt gggatatggct tttgaaaggg 120
 gggaaaagaa gtttttgaat gcaaaaaacc tccccctta tgacattctt ataattaggt 180
 gcaggggtgg ctgcaccaga cgagctaacc tgcacatatt tttttttttt tttgagaaca 240
 acatgaacca tgtccctcc cttttaatgg attatcatct ggcctaactt gaacttactt 300
 acgttagaaa taggggttga ttacttattt ttactt 336

<210> 22788
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 22788

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accttggtgtt cggactctaa accactgatg atagccgacc atgagcccat tacgggttcc 120
cctaagcttt ctgactcttc ttaacggcgc atgccatgcc ttgcgaactc gttggaggac 180
cctaccgttg tggctactga ccccccgtgc gacgaaaggc gggaagctct agtctgatgg 240
cgctcgatc atgaagaacc accgctgtct tatggctaag acagcattat agtgaatact 300
atcactggat ccatcaaggg aacatctaca catgcttcga atgaagat 348

<210> 22789

<211> 375

<212> DNA

<213> Glycine max

<400> 22789

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tcaatttcta gactctcgac atattatgcg cccgagtcgg acattcgcgt aaaaagttat 120
gaccatttga atttctcgag agttttcgat gttgaatttt gagcgtctcg atataccata 180
agcctgaatc tgaccttagt gtgaaaagtt atgaccattt gaatttcacg agagcttgcg 240
ttggtcaatt tcgagcgtca ctatatgtga tgcgccaaag atggacattc gagttaaatg 300
ttatgagcat gtgaatttct caagagctgt ccgtgatcaa ttctgagcgg ctcgatatgt 360
tgatttgcct gaatc 375

<210> 22790

<211> 370

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22790

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taaagcttca tgaaatcctt gtatagatac taagctctca aacaccttgt aaaccttgag 120
agaaaagact aaaatgttga gtatttaatc cgtctataag atgatcacgt attagtcagt 180
gtgcaatctt tcaacaaatc ttgttgattt atttagagtt agcgatgact tggtaggaca 240
aagaatattg gattaagtca agcttggggg aaaatttgca tgtgtaagag ccaaagtgga 300

caatgaaaaa tatttgaata cttgtagctn tgtgataagt tagtaaaaac ttggtgggtt 360
gtcaagaact 370

<210> 22791
<211> 393
<212> DNA
<213> Glycine max

<400> 22791

tgtgttgtgt gtagtttcag ttgtgctgtt cttctgtcca tatttggttg tctcaaactt 60
ggtagccttag ttaatatattt tgggtgttcta cttattctgt tgttgataat taaattattt 120
gttttaggta ttataaaatt tgtatgctat atttgttcta cgtattctaa gtttgtatgt 180
tattatttgt gttacatata tatggtagct tagtttgat gttaatatta tttgttttag 240
gtattctaaa ttattattca aatatatggg acgtagttt gtattaattt tgtatatata 300
ttgtttaaat ttttctttgc atattaattt atgttattca aatatatatt gttttattta 360
tttaaatttg tctttgcatg cattttaatt tat 393

<210> 22792
<211> 377
<212> DNA
<213> Glycine max

<400> 22792

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aatctgcacc tgtcaccaga ctctgtgggt tatgctctc tgccgaccac cacacagacc 120
tttgcccttc tgtgcaacaa tctgaagcaa ttgaacaacc tgaagcttat gttgcaaaca 180
tctacaatag acctcttcaa cctcagcagc aaaatcaacc acaacagaac aattatgacc 240
tctocagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga tggtcgaatc 300
cttcacaaca gcagcaacaa caaaaacagc cttattttca gaatgctgct ggcccaagca 360
aaccatacgt tcttcca 377

<210> 22793
<211> 376
<212> DNA
<213> Glycine max

<400> 22793

agcttgtag aagttgtgat atgaagttca tgggtgtgaca tcctctaccc cgacatacat 60
atacttaaga aaaacatata aaaatctgga atttaattaa atcaatttta ttgaaatcac 120
ttaaacaat tcatgtgggt aaaagggcaa cattcacttc actattacca aataaaactt 180
attaaaaaca tctccggctc aaaactgttg gatcaagtgg tctcgaaata attaagaaga 240
ggggggggttg aattaattat taatgtacct tgactaatta aaaatcagac cttcttaatg 300
ttactatatt taattaggct ttactacaa agttaagaaa gtaaagaaaa ataattgaaa 360
cttaacaaaa attaaa 376

<210> 22794

<211> 438

<212> DNA

<213> Glycine max

<400> 22794

actcaagcta gtgaaactct ttgagaaaaa aaagtcacaa ttatgtattg agatagttac 60
aaatgctagc aaaaaagata cccttcttaa gaacttttag gagttggaaa acagactgaa 120
agatcttcaa aaggatcgga aggaacttaa tgaactacac attaataaga aagaagaaag 180
atatgatctt tggagatagt gtgcacaagc acacaaagat tttgatgaac tcaaagtgag 240
taaacacaat ctttgggttg aatgtgaaga actaaagaaa attgcaagtt tcctaaaaga 300
tgagcttcta aagcatcaat aatttatagg tcaacctcaa gatgttgtaa aacttcacga 360
ggaaataaaa accttaaaga ctacattatc caagtttgtc aatggaacaa acaatcttat 420
caagttgtta ggaaactg 438

<210> 22795

<211> 378

<212> DNA

<213> Glycine max

<400> 22795

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cagtggtaat cgattaccaa aacattgtaa tgcattacag ctttttgaaa ataattggaa 120
cgttgtaaac tcagttagaa aactttttca aactcatttt gctactggta atcgattaca 180

ccaatatggt aatcggttac cagagagtaa aaactctttg acattcaaag ttttgaaaaa 240
 aaaaactttt taatacttat cttgattgag gcttttcttc attcttgaat cttgagtctt 300
 gaatctaggc ttatttcttg agtctagaat tcttcttgat tcttgaactc ttgacttatt 360
 cttgattcac ttgagatg 378

<210> 22796
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 22796

ttcctcctca tatgaaatgt taaattgtta tttattccct aaatgcttat atgtgattca 60
 atttggccct taaatctaaa ttacaaaaaa aatcatattt tgagataatt caaaattggt 120
 attaaatgat tttaaactgc tacaaaatgc atatttttta aaaaaatgaa cttattttga 180
 aaattagagg accaaattga attgctttta aaaattagag gactaaataa aaaaaaata 240
 gaaaaccaa cctaaataat aaattaaagg aaacaaaaac taatttaatc ttaaaagaaa 300
 ctaagaagct tattaaatga ataaaagcca tatttaaagc attgatgcat acattgagtt 360
 tgaaatactc tgcatagcaa caaattgacc aaatacttat ttgagttcct ag 412

<210> 22797
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 22797

agcttgatga atctcaagaa actactagag atatcactat cattgtcaca atacacacgt 60
 gaaccgcgtt agaggtaagg gatgagttta tcacaattgg gattagaata aacatgtgta 120
 gggatcctta gaagattaaa ttgagtttat tttgggatgt ttattgaact ttttcccttt 180
 atgattataa atacaatatt gatgtcctga tgtgaattag ttgataaaat tgagttctct 240
 tgggtgttttc gttttttata cctatgattt tgatataatt atgcgaaatt atttgagggg 300
 ttttacttct catgttgtga taaactgtta tattgagatt ctgaaattgt gattcaaatt 360
 atgagtatgt gataaat 377

<210> 22798
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 22798

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 ttaagctcta cctctcaaaa taagaaaaga aagaaaacta aggggtgctgc tgaaggggtt 120
 tctcagcaaa agaaacaaaa gaaggatgag gaatttacca gctacttctg caagaagtct 180
 ggacacatga agaaaaagtg tcccaagtac gccacatggc atgtaaagaa aaggggttct 240
 tgtgaagctg actgccaaagt gatgatgaaa gattcatatt tgttggcgat ggcaaaaagg 300
 ttacggtgaa ggctatagga acttttagat tgcagttaaa gactgaattt tatttggatt 360
 tgtttgagac ttttgttgta tcgcctttta gacggaatta atttctattt ctagtttgaa 420
 caaaattg 428

<210> 22799
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 22799

agcttagcag cttttctttc agtghtaatgc cccctttcca caatcctatc aaacaactca 60
 cccctgcac agagctccat aacaacatga accgcgacag cgtcctcgaa agcctccttg 120
 atggagatca cgttaggact cccagccaag tgggtgcatta tttgaatctc cctccttaca 180
 tactgcacat cctgatatgt caaaagcttc ctgctcgata atgacttgcg tgcatactc 239

<210> 22800
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 22800

tctgggtgggt ctttcagcta tttgcttaac taattttccc acctgcacct ccagattctt 60
 gatggctgac tcaatgctct tgtggtttga cagggaact tgcatagaact gcatcagcgt 120
 gtcttccagc ttggtgggtc tctcatatag attgggccct tgggtgggaa gctgattgga 180
 tggacctcct tgggtctttt cgaagctatt ccatggatgg gatctccaac cttggccctg 240

agagaaatat cctccctgat ggtaccctga cagtcctcct tgatggaatc cttgacgatt 300
 atgattggcc atgtagttga cctctattga tgcgtcgtct tgagccattc aaaagcctga 360
 ctcatgagcc ccaccataga tgttgcaccc cctaattgtgc 400

<210> 22801
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 22801

tgcttgtcta gcatttcaca caaaagtaga aataggcaag tatttgtcgt caattcaaga 60
 ttgatggaaa atattaatgt gattcaactc ttttaaacct taacgcctgt aatagctcct 120
 aaatcatact cttttttagt tgatcaattg taccttaaata ggatatgtta agtttagatt 180
 taattggatc aaaataaata aaaaaatgta ttcaaaccta aggatatcat caaagttatg 240
 gattttctat cgtctaaaga ctaaaatcgt ataataaatg agacaaaatc acgaatcacc 300
 aattacaaga gattaaatta taatctagct ttataaaaga aaaaataatg atttgtaatt 360
 agatcacaat ac 372

<210> 22802
 <211> 234
 <212> DNA
 <213> Glycine max

<400> 22802

agaaaaccgc atagaggccg tgggaactct atcgattaga tgaacagccg tgataaaggc 60
 atgatcccaa aactttggac gcatagacct atgactaaaa aatgcaggac ctaactccgc 120
 actgcgaacc tctccactac accatctcgg tgatgagtgt gaggacaaac aagttggtga 180
 ataacccta gatctgtgag aaaaatgttg ataggtctga actccccccc cccc 234

<210> 22803
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 22803

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ctcttttcag ttctcttctt cctttttctt gcttaatttt tgtggctttt ccattggtga 120
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 ctattttgta tgattgttca ttttttctcc tatctaattt tcgattttca tgattataaa 240
 tatgcttagg attgaaaatg gattagggtta tggattcatt tcctaattgc gaaatttaat 300
 catagattgt ttggatgata ttctaaccta atttgcgggt tcaatgaatt tagggattaa 360
 ttcgattgaa ctaa 374

<210> 22804
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22804

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 atgatgatct gctgaccacc agcctaattg ctgctcgtac ccgtccccga gcatctgaaa 120
 gcgggaaatg gcatttatgc agtgaaaata tggccacgct accacttacc ttggttcac 180
 cctgtctagg atttgatgtt gtattaacca cctctcgaaa tgatcatgtc cttgtctacc 240
 gattcacaag gtccaaaatg catgtgcttg cgtatgcatg aaaagtttca aacgcaataa 300
 ttcttttagca aaaaccatt gggttcagtt ataaataagc gcttatggca tccctatggg 360
 tcgagcgaaa aggatcggat catttaaaaa gaatatgtc cttataggaa caaaacga 418

<210> 22805
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 22805

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 ggataaacac catatgatgc ccagatttta cttccataac aataaatttg ttgattacta 120
 actgaatcta tttcagttga ttaaaaaatg tatgatttgt tgtacatttt tagtattgaa 180
 gatcgatcat ccttttaaat aaaaaatagc ttatttattt ttataataat taacttaaaa 240
 atcatactaa taaacatcta gttaattgat aatataaata tatattaact gtgctcttat 300

atcaatatta ttattatattt atcatgatta cataatatatt ttggcaatta atttcgtaga 360
tatatatata tatatatata 380

<210> 22806
<211> 389
<212> DNA
<213> Glycine max

<400> 22806

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tctactcata attattcgca ttttatcttc acataattct taagttatatt aaactaagtc 120
actttaagct ttattcaaca actaatgaag atgtattgaa cgtatggcat tattaactta 180
tagtactcta tataaatgag agaaacatgt accatactgt gatgagtttt ttataagttt 240
atttaaatat ttgtcgtgga cctatacgaa tatataatat atcacacctc tgctatatta 300
ttattctttt tatttgtatt tgattctaaa caacagacta tttgagttct ttttcataaa 360
catctattgt gtataaggaa catgctcca 389

<210> 22807
<211> 358
<212> DNA
<213> Glycine max

<400> 22807

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ctctacacat cagccattaa acacaaacat gtttactgat acacacaaga atcaattgct 120
tcgatccagg gatgtatacg gagcatcgac tccttaagat tactggaact ctatagagca 180
tctgcactac attgagaccg ttgggatcga ctatctaaca tccataactc attatgcact 240
acactttgca catccaacca cacacaagca tgatgtgcac caagctaaaa gtctggtgca 300
cttattatga cagcatactt ctgcataagt gcagattacg aaaatcacga cttactct 358

<210> 22808
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22808

aataactcacg ctgagcgcgaa gaagaagaga gctgcattat atacatatta aagcgcacat 60
 ttaagctcta cctctcaaaa taagaaaaga aagaaaacta aggggtgctgc tgaaggggtt 120
 ctctcaacaa aagaaaccaa agaaggatga cgaatctacc agctacttct gcaagaagtc 180
 tggacacatg aagaaaaagt gtcccagatt ctccacatgg cgtgtaaaga agaggggttc 240
 ttgtgaagct gactgccag tgatgatgaa agattcatat ttgttggcga tggctacaag 300
 gttaccgtga aagctatacg aactcttaga tngcagctaa agactgactc catccgtatt 360
 tggatgagac tattgatgtc tcgcctatga gacggaatta cttactatct ctagttagaa 420
 c 421

<210> 22809
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 22809

agcttcatct gatgtgtag taggtaattt ctaatttgca tattaatcat tatagaataa 60
 aatatgggtgt atgcttttgc gggacaattt tagatttatt atcttctttt tctaagtaga 120
 tgtgattaac tacactaaac attggcattg gtgacaaata tattgttcaa ccttgggtacc 180
 agtttctcgc ggacaatgat tttagccatg gagatgaagt tacattttac tgtaggtatt 240
 attattatta ttattattat tattattatt attattatta ttattattat tattattatt 300
 attatttagt ttgtttcatg tttttcctgc attactgata tttcctgttt tttctttctt 360
 tctgattttc c 371

<210> 22810
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 22810

tattgtatgc atgcttgtgg tttgatcatc cattgttgtg tgctgttagg aacttttagca 60
 ttgacaaatg tactgtttcc ttggaacttg atagagcagg gctagataac tgtagtgcta 120
 gacatagtgt gcaggggttct agtttttatt atgttgtgct tataatgctg tttaaattag 180
 gctaagttca acaagagaca tctatgaacg aagcttagtt taaattagtc caaactcatg 240

agacatcggg gttgggtat tttgtcctcag catagaacac aggaataatt tcaaatagag 300
 aaaaacccta attgcatcaa gtatctcggg ggaaggaccc aacactttta tttagttggt 360
 ttcacactca attgttcacg tttactgttt ctttgattac aat 403

<210> 22811
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 22811

agcttaaaag aaaataacta aaataattgc ccaaagtccc tacggcatca ctcaaataag 60
 caaaaaggaa ataacataaa tagaccatat aggatataag gtattctctc taattataat 120
 caccatttg tatcctttat gtactggctt agaacgctag agtctttaca agtatatcac 180
 cagaatatgg ttcgtgcgtg ttgaagaaat tctgtccgaa tattcaagat gcaggaacca 240
 gagctgaata ctggtaacga tgcaacgagt aatgaactct aaactaaaat acttgagtga 300
 ttttttgagg cagatgcata ccatatcatt aattgctaca ttataactca ttaattactg 360
 aaagc 365

<210> 22812
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 22812

gatcatatat aataggtgta ctttaattga ttaagtttat ccatttttga actttgagaa 60
 tcgatgaatg ttcagatgat cactcaagtc aatagatgac aaactcaaaa cagcaagatt 120
 ttggagttca aatattgaat ttggaaaatt atcttacagt ttgttcttaa agagtgtgac 180
 aagtatttga aagaataaga tgagaattca ccaattggtc ccatgagctg gttgttgcta 240
 agatctaaaa tggagagtta agttagatta aacaatgata agggaaccat tccatcaaaa 300
 ttgcaaataa tcggaaatag ttcgttaaga gacttcaa at ggccaatgga agaaagcgga 360
 ataagagaga ttcgagagtc ttactggagt at 392

<210> 22813
 <211> 370

<212> DNA
<213> Glycine max

<400> 22813

agtttgtagc ttccaaatct ttaaaaaaaaa aaaaaacata tagggcatta ggagaatgag 60
ccttgaacct ctgcaccct aggcacgact ttttggtta ttttttgctt ttcttatgga 120
aaaggagaaa ctggccaaaa atgatttttc attagaataa atttatttta ctaatatatt 180
ttattttcat aaaagttttt ttattagatg agataaatat ttttaaacac aataaaaaaa 240
tttgaatttt tttgccaaat aacttttgag taaaaaaaa aggccaaaac acacttgaga 300
tggaatgaca ttgtccaatt ctctatatat agtttttgta aagagaagct cagcatcttt 360
tgtatctttc 370

<210> 22814
<211> 331
<212> DNA
<213> Glycine max

<400> 22814

aacgtcaata gcggacttcc tctgaaaaat tacaacacca tctcctgact gagccacctc 60
aatacctagg aagacttcta atgtccctag tctttggtct gaaaatgact gaataagtgc 120
tccttttagct aaccaatctt agtagcatca ttcctgtca tcactatata atcaacatat 180
actatcacat aaacacactt ctgagaggat gaatgacaat aataaacaga atgatcaacc 240
tcactacgtt tcaatccaaa aagtcgaaca ttatgactga atttaccaa ctaagcccga 300
cgggattagc ttcacccata gagagatcaa c 331

<210> 22815
<211> 483
<212> DNA
<213> Glycine max

<400> 22815

gatctctcac gccggtccca ttcctcctcc aagctttccc agctccatgc tatcgacctt 60
cagacagccc agctatcgag ccaagcaaac gagccaagct gaaactctgc tcaccacatc 120
tcccgaattt caaattattg tcggcttaaa gaccacagta acaattcctt ctatccaatt 180
cgttaccgct ctggatcgac tccaacatta tactggatgt ctatagtga taacccgaca 240

ttgtgaccgt tgggatctac ttgaacattc ggacctttct gtctatTTTT cccatcaacc 300
cacacagctt tttgaccagc tgaatctgtg accatttgcg caaatctcta cggaattcga 360
ataccttcct aacatctgga atgatctcac ccatctttta acagctacaa agactttccc 420
agcccgatcg gtgccccttc tctggttttg tgaagaataa aagaattaac acccctccat 480
ctc 483

<210> 22816
<211> 405
<212> DNA
<213> Glycine max

<400> 22816

acctatagag cccgctaagc ctaacaccaa ccgcaatgat atgcgcttag ctctccctga 60
gccgcgctta gcggtattac atagtaaaat tttcacatat ttactaagt aaaaggagct 120
cagcgaactg ggtcgctcag ctcatctact gccgctaaga atcttgctta gcgcagggat 180
attggttttag cgtgcagctc tcaaaacaat ataaaaattt tctacgatac ctgtgcttag 240
cgaatcaccc tcactttacc acagggtacat atcaagagga tgaatatgca tcctctacat 300
gttacatcgc ttaacgcgat gaacacgctc attgaattct tttgaagact acaactacta 360
ttgagacact cactcagcgc gacatgtgcg cttagcgagg ttctt 405

<210> 22817
<211> 203
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22817

catgtttctgt agttgcatcc tatccgaagc cattatactg acacagccta acgaaggcaa 60
ccattaggtc cttccaagat tggactcggg aagggttcaa gttagtgtac caggtaacag 120
ctaccccgagt aagactntct tggaaggaat gtatcagcaa ttcttcattt tttgtgtatg 180
cccgcattctt ccgacaatac atc 203

<210> 22818
<211> 347
<212> DNA

<213> Glycine max

<400> 22818

gtatctcaag aaatgcacag atcgttatca caacaggtgc gcttgctctg gagccatgac 60
ggagatcatt tgcttaggaa gattgcccgc gcgttctga accttctact actgtgggcc 120
ccatactacc atcgacaaca ctatggctaa gagttttatc tcacacgaga caagcagata 180
tccttatgac agcgtgtgag atacctgggc gtgtctaata cgtgttctac ctcgatggcg 240
ctctctatga tctgcctccc cgatgatgcc tctgcatgca tttcaatatg caggggctaa 300
tttagatagc tgctgagaat tccattctgc gtgcttttac tctgaaa 347

<210> 22819

<211> 379

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22819

gggatgagca ttgtcctggg attcactaaa ttaatgtggc tccccctttc tttgatgtat 60
gggcattgaa ataacaagaa tgttgctaca tatggatctg tatttgaaat acctccatga 120
aatactattc tctatttggg gaagtttctg gtacgttata tttttctttg agacattact 180
acttcgaata tatttttttc cagctacctg gcttggttagt ataaaatcac aatatacatc 240
gactgcgata atagatatatt ttaacatggc catccacctc ataagtacan acatgactta 300
gtgccttgat aggctggaag aagattgtcc ttacctctat tttcctctct actgcagctt 360
tatttacttg ttatttact 379

<210> 22820

<211> 432

<212> DNA

<213> Glycine max

<400> 22820

taccactata tttcgtccat catttgtaat gactgttatt gtctctgtca acaacaaaa 60
gattcagtaa aatatagcaa ctactagcat ggtttaaggc atatctcaca gaaacacaat 120
ttgatggaga actgggttcc taaacttcat taacttaaata aattgtcatt aataagcgca 180
gcaaataata taactatgta tagaattcca aacatcaaag caaacataa agattttaact 240

atgtagagaa ttccaaacat caaagcaaaa cataaatatt tacagatgac ttacgatcta 300
 caagagattc aagtccaggc ccagctgaca tcttgcgttt atagatagat cacacactta 360
 tccttgccacc tgtagaagct tcagtgtaa aatatcaatt aaacaatgca aatgtacaca 420
 ttgagaaaca gc 432

<210> 22821
 <211> 256
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22821

caacaactac aagaatctga cattttcttg ttagaaatag tagagatatg aactttttca 60
 tttggtttag aaattgagac ttcatttcta aaatgatcta attctttggt taattctaaa 120
 atttcatttt ctaacattga aattgttttc tttgaagatg aaactaactt tgcaagtta 180
 attgactctt tatgcaaata agcaaagca tctngcaatt catcaaaaaa atagataaat 240
 tgttgaagat gtacct 256

<210> 22822
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 22822

tctcttctct ccaaaccctc ccttctctcc aaaccttccc tcccatttcc attcccgttc 60
 ctctctccga accactcccc attctccctc tcttccccc ccatgcgcgcg cgtcctctcc 120
 acaccgttat gctgcacctt ctgcccctcc gaacccaatc tcagcccctc cgaaccggaa 180
 cacgaagccg gttcagccaa caccgaagag ccgggtataa attcaaccga agaaggtgca 240
 gcttcagttt cagattctgg tttggaagaa gaagaaagcg ccgaggcagt gcttcggagt 300
 ggcgcggtatt cggagaagat agttgttgcg agtggaaggc tctcgatagt ggtgtacatt 360
 gaggggc 367

<210> 22823
 <211> 296
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22823

attgattctc atgcagaatt tgaaggccaa ctatcatgtc ttgcagaagt attgtcatga 60
agtcacagtc agtgtgcttt gtaatgcca tggtgagttc aggttcaggc cattgtggat 120
agtattgacc caaaatataa agtgcctcag cgcagtccat ttctttgaag taagaagggt 180
taatgccaag agcctctgac aatagctcan agattgtaat gccaacacc cttacttttt 240
tggtatattc agccacaata tctctgcgaa agcatgatta tttcatcaat gacaag 296

<210> 22824

<211> 412

<212> DNA

<213> Glycine max

<400> 22824

tgagctatca gaagactttt attcatttag tgctaagttc tctaccttca cagtttagtc 60
agtttaagat ctcttacaac tgtcagaagg agaaatggtc tcttaatgag cttatttcat 120
tctatgtaca agaagaggaa aggctgaagc aaaaaaggac tgaaagtgct cttgttgtga 180
gtacctctaa agacaagggc aaaagaaaaa ggattaagaa gccaagaat gaagttacta 240
aggggtccagg acaaaagaaa caaatcagg atgacaactg tttcttttgc agtaagcctg 300
gacatgtaaa gaagagaaat gtaccaata tcatgcttgg catgcaaaga aaggatatgt 360
tcttactttg gtctgttctg aggtcaatct agctctagta cctagaaaca ct 412

<210> 22825

<211> 324

<212> DNA

<213> Glycine max

<400> 22825

aatcaaaact ctgacatcta tcatgggtgg aatggatgaa tgcataaga aatgcatatg 60
gcacatatgc aatttatgaa tacgggagcc cgggaaattg tctccatatt taagaagggtg 120
gcacagaccc tccgttggtt ttccaaagag aggggatcaa aaccgaatcc atgcatgatg 180
catatgcgaa aggcgcaaca cgagaatgta cagtatgaca atattcacga aatataagcc 240
aaagggtacg tgacacttat gcatggcagt gtgaaaattg cacacagcgt gtccgcttct 300

gcccctattc agggactata tggg

324

<210> 22826
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22826

tcttatccaa agctcatctt ggtggcgaa gtcattcttc catggcttat tccctagagg 60
atgggtgcctc ctctcacctc ttctcctttg tcttcgctg tatctccatg gtggaaaatc 120
accattaaag gacctaatg aagctcaaag atccagcctt catagaagcc ccacaagcaa 180
gcttccatca agtggttaatt agagcacaag agcttcatgt aggtgctcct taaacctcca 240
ttaatttttt gctttacett ctcttcatt ggtgtttctt ctttttttcc tccatgtatc 300
tcctcacatg tcttgtgcta aatgttttta acatgattct ttagattttc caccgattaa 360
acttgctata gaagctagat ttgattntct atgggttcaaa tttcttggtc ttgttcttg 419

<210> 22827
<211> 291
<212> DNA
<213> Glycine max

<400> 22827

cagatcaaga tatcttaatg ttgaaagttt tccaaatcat ctagaaaggg caccaccaat 60
tgagttgttg taaaaatcta gcatgtcaat atttttaaaa actccaattt aatccgtcaa 120
attgggttat tttatcatct atggacaaat ttttctgtt cttttttctc atgtgggtac 180
ttttcatatc atgccccaca agtgaataag tggattata atatttaagt acaagtccga 240
tatgactttt ttttttttaa cttaatcgaa aaatattatg cctctttttt a 291

<210> 22828
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22828

tgaaggagtt tattgcatca gggaattatt tcactttaaa agtgggtcct aattggattc 60

ctaattttca acttacctat ttggatgtga catcatggca gataggtccc aactttccat 120
 cgtggattca atcacaaaac aaacttcaat atattggact gtctaacacg gggatttttag 180
 attctattcc cacttgggtc tgggaaccac actctcaggt tttgcattta aacctctctc 240
 ataatcatat ccatggtgag cttgtgacta cattacaaaa tccaatatct atccaaactg 300
 ttgatctaag cacaaatcac ttatgtggta aattacccta tctttcaaat gatgtgtatg 360
 agttagacct ttcaaccaat tcattctctg aatccatgca agaattntta tgtaacaatc 420

<210> 22829
 <211> 517
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22829

ctctagggac tccaaacctg caaaacaaat tagatctaac aaaaccacaca acaaccttag 60
 catcgtagt tctgggtgggt ttggcttcca cccattttga agcataatca acaacaagga 120
 gaatataaac aaaacaaaaa gagacaggga aaggcccat ataatctata cccagacat 180
 caaacacctc acaaaatgac atggggttatt ganggcattg ctgtctccat gaaagtgagc 240
 cgctgtctct ctgacaaggc tcacaaatgc tactgattct ccatgcatac ttgaagatgg 300
 tgggccaata aaactgtagt cagcaccttg cgagctgtct ctgatgcaa atgacacctg 360
 tgcaagatg acagaatgct gaccgatcat ctatggctga atgcattcta atactgtact 420
 gacatttcac aaagggatc caaatatgct actactctat tatatcaact taagcaggag 480
 aaacaaaccc atattcttta caccagatga agatcaa 517

<210> 22830
 <211> 426
 <212> DNA
 <213> Glycine max
 <400> 22830

taaagtatgc ccgagtcatt catccctatg agatgttggt gaagtattgg cgatcagaat 60
 tgccattcct tggattatag ggttgaacca agctcatgct ttacaaaaa ggttcatcaa 120
 gtcaagttga aatatggaag taaccgtctt gcaaaaatgg ggcaaaagat gaatcgagtc 180

acatcactgc ttcgtctact gccaaacata tttaggattg ttgatgtcct tgttacttcc 240
 agtttcacct tgacaaagat gtcatggacc atgttgaaaa tctaaattga ttcaacctca 300
 tatcctgcgt aaaaattcgc aatacttcaa ctgtacttca ttgcataca tccatgcttt 360
 tcattgtttg cattgctcat tgcattcttt ccttgaaaaa taagataaaa taaaataaaa 420
 tgaact 426

<210> 22831
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 22831

tatgcttttc tttatattgt cacacagatt tcatattctt aatggctgct gttttttcag 60
 acacttccta tttttcttga tggccttggt actgcatggg gcgctatcct aatttctgtg 120
 acattaattc ttttgtttgg tgagggtgaga aagttctgtc cttatatgat ttttaagtata 180
 atacattcat gtcacagatt aagtgccttg gttgtttggt tagagggttg aacctggaac 240
 aaaaatctgg tggcacagca cccgttttgt ttgggttcacg ttttttccat ttgtgaaaga 300
 cattttttgt taattagaat caattccagt taaagtggga accagtagct tctcattcct 360
 ctaatgttat gtctggcaat aaaaaatggt cagatgctat tatcgatcaa tgtaatgaat 420
 at 422

<210> 22832
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 22832

tcatcctcta ctcaaaatg tattgaatgc aatcaacctg gacatctgag gggtgattgc 60
 ccaattttca agaatagaat agacaaatct gaaaggaaag cttttaatga aaagaaagct 120
 aagaaagccc tactctacat gggatgacaa tattatggac tcactctgaag attcagaaaa 180
 cgaagggtgta accctactct gatggccaga ttttgaaagc atgaaaggta catttttgat 240
 acaactatca ttatttgaga tttcagatgc tttgtgatta catataatca gcaactgaaa 300
 atggttcatt tctaaaaact tttatatt 327

<210> 22833
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22833

nttgtcactc caccatatt tggccttcac attaatTTaa cttaacacca ccgacaacag 60
 cgtcaatgaa ttgttgcacc ttggatacaa aggcttcttt gaatcacttt gtaatgtatc 120
 atacataggg gcatgtgctt gatgaaaaga ctcttgtcca aggtcacgaa tcatatcttc 180
 caagcgatct tccatttcta catcaaacgg ttcagattgg ggcccacttt gcatgtttgt 240
 catttcacca tgccatatcc acgtcatata actcctctta attccatcac acaacagatg 300
 gtctcatatg tcgttgaatt tttccgtctc ccgttcaaaa aatttatgca cggacaaaaa 360
 aacttcccat tttcattcgg tcgacttttt tctgaagcaa attgtaggaa ctgttc 416

<210> 22834
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 22834

tgtagtcaaa ttgaagaccc tattttgcgt atcacttctc cttttatgct tcttttgcac 60
 attgtttatc ctctgcactc gttagagggtg gcctagctgt caacgccaaa gcgagtttat 120
 gtagttgcta tgtttttctt tctcatttgt caaacacaaa acttgtcact ccttttattt 180
 ctctatttgc tacctccatt gctttggctg ccaccgtca ccaccactg tgaccactt 240
 ctattgtttc tggggcatct catttgccgc gataaagttt gctttctata tgataaagat 300
 agatccttga aaatgttcgc atggaactta tatatatgct aaacaatgta cattttcttt 360
 tctatcccat cctatcattc atttctcttg aactaccata tgttcgtttt tgttgagtgg 420

<210> 22835
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22835

tgcattgtatg cttatgattt ggatgtttta gtgcagcaat ttaaacaggt gttatcgtgt 60
 tcaatttttta cttaaacgct tacggcaccc cattaattga gaaagatggc tccggattca 120
 gtgngcaaaa ttgacagtgt atgttcttaa gaagtaaaaa cacaacacag gagatntaga 180
 tgcanatcat taatccaata tttattaatg ttgcgggtcat tggttacaaa ggattttatg 240
 actatgaaaa toccaatgag tccttggaga acaaacatgt attgagcctt ccagctgccc 300
 cagggtacaat gcataatatc atttgacgat atcgaaattc aca 343

<210> 22836
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 22836

ttgagccaaa atcctaactc accataaacc ttgactcagg gtgagaatgt ttatccttac 60
 cctcggagc aaaaaataag agaaggaaaa tttccaatca aagaaaaaaa aaagagaagg 120
 aaaatttcca atcaaagaga aagcgaaaaa aaaaaagaga gaaggaaaat ttccaatcaa 180
 aggaaaaaag agaggaaaagg aaattcccaa tcaaagagtg ggagaaaagcg aaaagaaaag 240
 aaagaaaatt cccaaccaa gagtgggaga aagtaaaagg aaggaaagaa agctcctgat 300
 caaggattga aagaaatcac aagatatgtg cagaaaggtc tttggaccgg acaatatctg 360
 tacaatacag aattgtcacc aaatgaacaa aaaaaaagg gaaaggaaac catgacctga 420
 aagtgggtctt cttccttt 438

<210> 22837
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 22837

tcgattacat tgttcttgaa tagttctcca atctttggga agaacacttt aatcaatcaa 60
 aatggtaata atcaattact tctttgaaat aattgattac attgtatatt taattgatta 120
 caggcaggta ttacgagctg gtataagcta gaataacatt attagataat atgttcttta 180
 catcgggttat ttatgacttt caacatcgtg ttttaaactg atgttgaaag taccgacgtt 240
 gataggatta ttgttaacat cggtttctta ataactgatg ttaacgaaaa ttaccacatc 300

gatatataat aaccgatgtg ctatatgaat acaccaaaaa tggtat

346

<210> 22838
<211> 414
<212> DNA
<213> Glycine max

<400> 22838

tggtaatcag agcacaagag cttcaagtat gtgcttctta aacctccatt aacttttttg 60
ctttaccttc tcttccattg atgattcttc attgttatcc atgtatctcc tcacatgtct 120
tgtgataaat gttgttaaca tgattcttta cagtttccac cgattaaact tgctatagaa 180
gctaaaattg attttctatg gttcaaattt cttgttcttg ttcttgaacc atgaattgcg 240
ttgagtttac gttcccttga gttttgtctt gtaatttttt gtggctgaaa ccaagaacca 300
taaatactta caaaaatatt agagtacaag ataacctcaa aaatctagag tgactgggtc 360
acctattgta gttttgtcat acaagtcag tctagtcag aaacttgtca cata 414

<210> 22839
<211> 332
<212> DNA
<213> Glycine max

<400> 22839

cctcataact ttaacgaaat atcatcactt aattatatat gtctttcatt tataaaattc 60
aaaattaaca tcttatttta aaaaaaaaaa tttagtagca ctagtactct aatcaaattg 120
tgatgttctt tgtctaatat tcactttggg cttatataat aaataaatat ttcgaatgta 180
taaataatata atctgaatca tataaataaa tatttgaaac atcaaataca ttgagaaaac 240
ggtgatttag aattataaaa gattaaatgt tgattttttt cttagacatt tcatcatata 300
aactctgaga actatcataa aatacctcta aa 332

<210> 22840
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22840

tcaacattct tagtctntac ctgcttaact aacactttac tcttcacgcc ttgtttaatc 60

tagaattgtg accttttgtt agttctttca ccttttcatt ttaatagtta atatgcttta 120
 ttctgtttct cagatagatc aactagtcgc cagatccaaa gaaagtataa gaagatcggt 180
 cataacaagc catatgtata tgtgttaagg ttttctttcc agttttgcag tctgtctttt 240
 tctttctcaa gcttgtgaat caagtttgtt ctgtgcgact atgtactatt gcttttattt 300
 atttatttat tagtaatgat aaggaaccta acatgcagat tgaggtgatg cacattgcac 360
 aagatctcgt cgacataaga cactaattct tttcctttat ttatagaaaa gtcgaattcg 420
 atgatct 427

<210> 22841
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 22841
 ctcacaaatc actctacagt atataaacct atttgcactt aactacatat acttatggtc 60
 cttctaacag gaatgcaagc tctgttggat ctcatTTTTg cagttgogga gtctgtctca 120
 caagctgcaa aatatcttgt gtatttgata tagtgctata agtatgactt tctgctctat 180
 gatgtaattg agcatgtgaa acctcattag ttactttgat tatgacattc aggacttaca 240
 catttttatt cagagacatc cttttgggtg agaaatatct ttgcctgccca tcacatgaat 300
 agttcgtttt actgct 316

<210> 22842
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 22842
 tgtacaagcc agaatctgaa agcaatgggt tgcattgctg atcattgagc actttctcag 60
 ctgagatggt ttggtgaaca agagcttgtt tctttgctat gtatgcatgt aaatatgcta 120
 tacctgggta agaaaacaag gtttcagtat gcacatgaag attggaaacc atgagaatat 180
 gaattcaaat gaatgcaaat tgatcacagc aatgttgaag gaaatttaac ctacaattag 240
 gcaagagggt tgtcattaag ccagcaataa aaaaaagaaa ccaagaatat gtttatctat 300
 agatagaaat agaataaaat ataatgtgtg acaaaaataa tataatatat atatactatg 360

taagtgggtg tggatctctt gaagcaccat gataacagtg agataaagat gctct 415

<210> 22843
<211> 221
<212> DNA
<213> Glycine max

<400> 22843

cgtccgccgg acgtttcaac cggggactac agggttttgt gcgcctcgag gagcgcaact 60
cagcgcaact aaccgctggg ccaggagctt gccacgcgc cgtcacgcaa ccatttcgtg 120
cgcgccatac gccggcgctg gaccaccacg cgccggcctt cccttgccgg aaacgcgcgc 180
gtttgctttc ggccgtctcg tcgggctctg ctgagtccat a 221

<210> 22844
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22844

aactcagctt gnatgaggaa gtgtagaggg tgaaacttcc tgcttttatt cgttgaccat 60
aaagtggcac ctggagatat gtcgcggggg tcaagagacc ttggggacgt caagtggggg 120
gctattgcc aaaaccaagc ttgaccaatt ccaaccaac ccgggcatat tcagtcagtg 180
agaacttggt atgtacctaa tcaggcgagc tcctggcagt caacagataa aaggaacaaa 240
gaccacaaag caaggaggct tgtgtggtgg ctggccagga gtgaatattg tgtgacatat 300
gggttatggc ctctgtgaat cgattaccaa cggtgggtaa tcgattacaa ggcttaaaaa 360
tgaacacatg agactaagat ggtctctggt aatcgattac caaggggtgt aaccgattac 420
c 421

<210> 22845
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22845

atagagagaa gcttatatat atttttgtcc atgtgaacca agtgaattct aatttttagtt 60

cctaaataat tttttttcat ctctctgac tttgaaatca ctatttgtac aaatgaattt 120
 taattttaat tcctataaga aaatttcctt tgatctttat ctgtcaaaaa tttgaaatca 180
 ctattatttg tccttaacat ttantttaga ataggaaaat aacatttatt ttgtgatctt 240
 gaattatttc tagagatgta catgatgtct tatatataga cacctgggag tgcatatgga 300
 tagctctgac attgataaac attgccgtaa tgagtgtctat gtatactagg acaaacaatg 360

<210> 22846
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 22846

gaatactcca gctgacctaa ggttgagatc tcacttacta aggttaagat cctatatatc 60
 aaagatatgg aagaaggagt ctgcaccaac aaaccacttc tgttcagagg gataaagtat 120
 gattactgga atgagtgtat gatagccac ttagaattga ttcattgtaa tctatgggac 180
 atggtggaaa acaaagatta tattccacat gatgactagc tgaatgagat tcctagaggc 240
 cagtggacga gcaacataag ctcaaatttt tgctaaactc caaagctcag aatatgatgt 300
 cgtgcattct ttcaaaagaa gaatacacca aggtacccaa tttcagaagt gccaaacaga 360
 tgtggggcaa tttggtgta acatacgaag gcacatcata ggtaaagagg aacaaactca 420
 atctcctcac t 431

<210> 22847
 <211> 199
 <212> DNA
 <213> Glycine max

<400> 22847

ggttaagctc aacagctggg ctgagcgcat atccatcgct aagcgagtt ctagcgcgct 60
 tagtgcgga gattatttgg cagagcatta gcatcaaact cacacactaa gtgcgagatc 120
 agtgcgctaa gcgtagcagg tgccttcagc caggctaagc tcgagactag cgctaagccc 180
 aatattactt actcgcgct 199

<210> 22848
 <211> 414

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22848

tgggaggata gatgngacc cgggtgtgag agaaactatg atatgggcta cgtgagagga 60
cgtgagctca catggagggtg ggcaacaaga gatagtgagg ttatgcgcgc tttgcggatg 120
tggaaaactt gtatggacca tcagaccgac cgccacctag taccacatgt gatgggtacc 180
ccataatcct acaagctcga gatgaagaag tgtataacgg tgaaacttcc tgctgttatt 240
cattgaccac agagtgggtac ctggagatat gtgcgggagg tcaggagacc ttgcggatgt 300
caagtgggggt gctattgccc aaaaccaagc ttgaccaatc ccgacccaac ccgggcatag 360
acggacagtg agaacctgtg aatgacctaa acaggcgatc tcctggcagt caac 414

<210> 22849
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22849

ggccaacagg tttagccttc tcaatgtatt ctgaacaaaa tttaatggct tcttctgcaa 60
cgtacctctc aacaatagat gcttctggac gatatagatt ctttttatac ctttttaaga 120
tcttcatgta tcgctcaacc gggtagatcc accgtagata aacaggacca caacatttga 180
tttctctgac ctgatgcaca atcaagtga tcatgatgtc aatgaaagca aggggaanat 240
acatctccaa ctggcacagt ataattggca gctcatntn caactcatca nacttcacag 300
gatcaatgac tgtgctacat atagcatg 328

<210> 22850
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22850

tgaagaggat gctctaattgg agganaataa agagagaagg ggggagcacg aaattgaagg 60
aataaaagaa ggaaagaagt ggaactttga agtgtatctc ataagacttt cattcatcaa 120

agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc ttgagaagct 180
 ttcttaagaa aacttccttg agaagctttc ttaagaaaac ttccttgaga agcttctttg 240
 agaaaacttc cttgagaagc tatagtttag ctacacacac ccatctaaaa actaagctca 300
 cctccttgag aagcttcctt gagaagctag agcttagcta cacacacca tctaaaaact 360
 aagctcacct ccttgagaag cttccttgag aagctagagc ttagctacac acccctataa 420
 tagct 425

<210> 22851
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 22851
 gctcttggag ggaatggaag agggatatgc tgcttctctt tagattcacc tgcatataaa 60
 ttgttaggta acttactctt taaattgttg tcatcatctt tctctggagt acagtgaggt 120
 tgggcacgtt catttgcgga tgacgaagat gctactgggt gaggtccttg aactgcttt 180
 cctgacctta atgtaatggc actcacattt ttgagatttt ggacagattg agaacgtaat 240
 ctatcagaaa tctgggactg ttgctgatct aactgtgtag ccaactatcc catctattag 300
 ttaagctcta atggaggett tgg 323

<210> 22852
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 22852
 ttgcgaaatg cttgtcgctg gagttgtctc gatcaattgc ccttattctt ttagacgggt 60
 gggttcctaag ctcttgacct tgacttgata gaacctcttt ttaagcgaag gcgcttgact 120
 cgatcccatg ttactaaaag tgaacaaaaa ccagtgcgga atcaaaactc cgacatctat 180
 catgggtgga atggatgaat gcatggagaa atgtatatga cacagatgca atttgtgaat 240
 acgggagccc gggaaattgt ccccttctta gataacaacat ttgggcagca tggcgcccga 300
 catatgtatt taagaagggt acacgaacct tccgtcggtt tgacaaagtg aggggatcaa 360
 gatggaatct atgcatgatg catatgtgaa aggcacaaca cggtgatgta catagcacga 420

<210> 22853
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 22853

ctcaaagatt cagcctccat agaagcccca caagcaagct tccatcatag tcccttattt 60
 tttagctaata caaacgcacc ctaactctct atgtgaaaca taataccgca acccttgaca 120
 tctagaactt tgcaaacacg cacagtggca agaggctgaa gaagttgttg cagttgattt 180
 tgatgtcgtc catgatgtag tggaggtcct ccaacaagat gtcagtttcg agatatcgaa 240
 gcatgttgtc aagcttgctg gcaaagatct tgtcattgtg gttggtgttg aagaatatct 300
 ctaactcatt tatgacttcg aagtacgaaa agg 333

<210> 22854
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22854

tcttgtattt aaggaaaagt taatatggct atgtttggca gcttcttcca ctttcttcct 60
 tcccacttcc cttcacgtac ttattctctt taatatgatt atgaactcac tttggtttgg 120
 ttgtgtttta tttagataaa agaattagag aaatagagta gaagaaaata taagagaaat 180
 aattttttaa aaataacaga ataaaaaaat tattatctat tttaagagaa atggatgaga 240
 tataataccg tgtcaaagaa aatcaatatt ttttctaaaa tattgatttt atttcctaaa 300
 aagttaattt tttgacaaac aaaaaataat ttttactgtt tgtaaagacc aaatttacia 360
 acctaaactc cttctaaaatc gtgctacata ccaaccggcc ctcaattgca tctatagt 418

<210> 22855
 <211> 317
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22855

tgccattgag gcatttcacc gaacacgtgg ggggcgcgca ttcatacatg aacaaaaggg 60
 gaatgggggc aatgtgacat gccccatcat tttagaacac tccttaggcc taaggccatc 120
 ccctacaact cccttattca acaaaaacaag cacaaattca aggatgaatt ggatcttgga 180
 ttcaagcaaa tacaatacaa tntgcacaat gttggccacc ccattatggg atcaagccat 240
 agccaagaag ccagtgtcga attgctnttt tacttctctt ttgattttta ggacatccct 300
 ggcttcatcc ttcaatg 317

<210> 22856
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22856

nttctttgtg ggttgatggg gttttgtcac gtagaatggc gtgatcactg gttgacattc 60
 tcaattagct tagttgcttc ttcttgggtc tttagcttta ttttccctgc tgcagaaaca 120
 tctaacagtt acttggtttg tgggtctcagc ccacttatga acatattcaa ttggattggc 180
 tctgaaatcc catgggtggg agttcttctc aataaacctc tgaacctctc gaatgcttca 240
 ctgagagatt catcacggaa ctgatgaaat gaagagattg cagctttccc tttcgcagtc 300
 ttggactctg gaaagtatth ctttagaaac ttttcaacaa cttcttccca ggttttcaga 360
 ctgttaccct taaacaagtg aagccacctc ttggtctctc ctaccaatga aaatgagaa 419

<210> 22857
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22857

tccagtttaa cagttgatct agttttcaag tagtttaaatt tccagaccca tttcataaac 60
 cagtttttaa attggattta aaaccgggtt tccttttttt tcttattttg gtttcatata 120
 tttaaaattt taatacccat cccatccccg ttgtgattta tcgagttcga taaattntaa 180
 tttactttta tattttgaca taattaagtt ctgcgatact cttntatag ttntaattta 240
 attntatatt ntgaaataag ttatttatta agtttttaatt tataatataa ttcanacaat 300

atataaaatg taatgaataa cagagaaaagg aaagataaaa attaagaact cattatgntt 360
 ttagtaatat attttcaaan tataacatan anctattata ttattatata tatatatata 420
 ntannaatta tataatatat atatatatat atatttat 458

<210> 22858
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22858

gaatactcac gcttctcctt cttttcccta taaatagggg aaggagggtt taacaaaaat 60
 gttcaaccct cctggatatct gagaatcact taaaattagt gagaaaaatt gtttcctgta 120
 agaaaatcca agccgaggcg cttccataac gcttctgaga cgtttcctg ggtgatttcg 180
 cgaagatttt ccgtcgttct tcgtcgttct tcgttcgttc ttcgatcttc aaccggtatg 240
 ttcccgaaat cgaacatttc aattcattct atgtaccctt agtgggtccc acttgtttgg 300
 catgctttta ttttcatttc atttactttc tgtacccctt tttgacctgc tttagtcgtt 360
 tatttaagtc attttctcgc ctaatcaaaa aataaaataa atntccaccg atcttttgaa 420
 ttgtaacata ttttaatttc tggta 445

<210> 22859
 <211> 290
 <212> DNA
 <213> Glycine max
 <400> 22859

ctcagtagcc attcccccta atcgatacaa aaaaaaata tatatattaa taacaaaact 60
 atcttatata gcttggttgt catcaaagag aaattgtgtt tttacagtta agaaatgtta 120
 cttttatggt ttttaatttt aagaaagtta gtttttgaca tgccttacta tcaataactca 180
 tggctctcat ttttaaaaaa taaaaatttg aattatgtaa aacaagataa caaagcctgt 240
 gactttccat gcttcaagtt cataaaaactc ctgcatgaac taggaatgcg 290

<210> 22860
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22860

taggtctatc cactaggatt gaaagatgga tgtttcttga tttgtttgat aaattaagta 60
 gtcaatctta tatatggtgt ttgtaaagtt ggactcatta agaaaggta atagaattat 120
 ttgattacaa atagacaatt atttataact tttaaagtaa taataatagg atttaattat 180
 cattttggtc ttgaaatttg attgattttt aaaattttta acataataaa ttgatacttt 240
 agaataattn ttattatgac aatttttaaa tacaaattca aacaattaaa aagtaaaaaat 300
 taattttatt caactaaaaa tcataaaaaa tgtcaattta ttataccaaa gataaaaaaag 360
 taattttataa aaaataaggg caaaaaata tacaaacccc aaattcaagg acttatgtct 420
 aataataata aaaac 435

<210> 22861
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22861

ntgaggaaat tcaaacgaca ataaattttt actcgtatgt ctgattgagt ttcgtaatat 60
 atcgagacgc tcggaattga atgttgaagg tctgagcaaa ttcaaacgac aataactttt 120
 tactcggatg tctaatttag tcgtataata taacgagacg ctcgatttg aatgttgaag 180
 ctctgagcaa attcaaacga caataacatt ttactcggat gtctgattga gtcccgtaat 240
 atatcgagac actcgttaatt gaatattgaa gctctgagcc aattcaaacg acaataactt 300
 tttactcgga tgtctgatat agtcccgtaa tatatcgaga cactcgtaat tgaatattga 360
 agctctgagc caattcaaac gacaataact ttttactcgg atgtctgata tagtcccgta 420
 atatatcgag ac 432

<210> 22862
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22862

gaatttccat ggataagaag cttgaagagg atgctttaat ggaggaaaag aaagagagaa 60
 ggggggagaa cgaaattgaa ggactaaaag agggagagaa gtggaacttt gaagtgtatc 120
 tcataagact ntcattcatc aaagttacaa caagtgttat acatgcttct atttatagac 180
 tagatagctt ccttgataag ctntcatgag aaaacttctt tgagaagctt ctttgtgaaa 240
 acttccttga aaagctagag tntagctaag cacacccatc taaaaactaa gatcacctcc 300
 ttgagagggt tnccttgagaa gctcgagctt agcacacatc cccctctata actatgctca 360
 cctctcaaga gagaggtaga gctatctcac accctatata ctaacgcacc ccctacgata 420
 ctgaaataca aaaaag 436

<210> 22863
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22863

aaactcagct ngcttctaca ctatgggtctg gacatgatta atgtattatg tatattgttc 60
 ccttttctaata caatgctaag tattttattct atgtacattc gaagggtggtg catgatgtgg 120
 ctgtgcagca tctgcctgta atagtaactc atcatttatt aagatatgta tgccatgggtg 180
 atcaacattt attaaagtgt caagttttga taacagcatt actttgtaaa gtaaagaatg 240
 aggatatgag tgatgtcact gtgtaacgac ccgcctcgtc gctacgatat caccatttcta 300
 aatcgggatt atttcaaatt tttaatgaaa actcagttaa tttgcttata aaaaaaatga 360
 aagtaatttt tgtctcaaca tacattcacc anacaacaca cattacttaa gtggatacat 420
 atatattagt atagtaactc ag 442

<210> 22864
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 22864

ggtttacttg gaccttgttt ttgaaaacca taaatgaagc tttggatgct tttcacaac 60
 atgccaaggt gattcaaat gaaaagggtc tcaacattgt ttcaattatg aagatgaatc 120
 tcaaaataag tctttagaac acttttgtga agaaaatgga attcaccacc attttcctgc 180

cccaagaaca ccttaacata atggtgttgt ggagaggaaa aatacatccc ttgaagaatg 240
tgca 244

<210> 22865
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22865

actcaagctt agagaggaag cttcaatggt ggaaaagaat gagattgaga gcggtgggag 60
catgaaattg aatgagaaaa agaggagag aaggtgaact ttgaagtgtg tctcacaagt 120
ttcacattta tcaaagttac aacaagtgtt acacatgctt ctatttatag cctaggtagc 180
ttccttaaga aacttccttg agaaacttcc ttgagaaact tccttgagaa gcttctttga 240
gacacacccc tctaatagtt aagctcacct ctttgagaaa aaaagctaga gcttaactac 300
gcacaccctt ctaatagcta attagctcgc ccccatgcca naatacatga aaatacaaaa 360
aggttcctgc tacaaagact actcagaatg ccttgaaata caagggttaa aaccctgtac 420
tact 424

<210> 22866
<211> 287
<212> DNA
<213> Glycine max

<400> 22866

aaagtgcctt ggataagaag cttatagagg aagcttcaat ggaagaaaag acagagagag 60
agagagggaa agagagaggg gggagcacga aattgaagga agacaaaagg gagagaagtt 120
gaactctgaa gtgtgtctca caagactctc attcatcaaa gctacaaatc gtgttacaca 180
tgctcttata tttagcctaa gaagcttcct tgagatactt ctttgagaag cttccttaag 240
aagcttcctt gagaagctag atcttagcta tacacatccc ctaatac 287

<210> 22867
<211> 416
<212> DNA
<213> Glycine max

<400> 22867

taatggaccg attcaaggca tgatcctata tgtcatgtgc caattgaccc gaccgggaca 60
tgtagatccc actatactgc gttattagtgt ttttgtatgt tgaatccaat aaatcaatcc 120
gatcatattc taattatatt cttatcatat cttaataata tcttatttcc gaaatcaatg 180
aagaaatfff tttattagat cttcccatga ttaaagaatt actgtataat ctaccctcac 240
tataaaaaaa gagagatcta acggcgatta gttttggcct taccacaat tttaacctcc 300
gttaaacaca tttcctgcgg ttctcttgtc attagaaaag cttccatgac aaacgctcta 360
cactttacta gcggttttta ccagtcctcg aaggcgcaaa tattccctcc attttt 416

<210> 22868

<211> 292

<212> DNA

<213> Glycine max

<400> 22868

tcccataaac actcatttga taaagtctag aaagagcgtt gattgggttca ggaagtgatt 60
tcagttctgc gaaagatgac acgaggaaat tgtttatgta tggagagacc aatgatccgc 120
tatcgggaac tgtctccagc ttcaaacacg cgtgtatgga taaactctca agacgcatga 180
gactctgcca tgatgaacac tgcattgacgc taatatgttt aagattcttg caaccagaa 240
tgtataagct tttgtaaaaca gggaatggac acggagaaga tgcattgagta ca 292

<210> 22869

<211> 424

<212> DNA

<213> Glycine max

<400> 22869

tagctaacat tgaggtcctc tcatcattat ccaccttaga gttgaatgct acacggacat 60
tgttggtcac acagacactc tttcttaata gatcaaaagt atgtctagcc tatctgcgtt 120
agggctctatc atcagataat aaccaaattg tagcttcaga attcaccttt ctcaatccct 180
caattgcttt gttaaaaaga attttgctgt aagccatgac acatttcaa aagtgagttg 240
tcagcaatca agatttgatc cttttttgaa atgattaagc atatgattga cacaaaacct 300
gccctcgaaa acagaaacga taaagtatat aaacacattc aatttaatta agcagactgg 360

aatgaaaaat aaaaatgttt gaacaataaa gtctgaaatt gctctcaatt aaaaatgaaat 420
gata 424

<210> 22870
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22870

tttaaatctaa caattactat tctaccagat ttggtcaagt atatttcact cgtttgctct 60
tagaaaatgt ttgataaaaa agaagctgag ttttctgaga attttgaatt gaaaatagtt 120
tctcatgttt gatatttaat aaaaaaaaaat aagattcctg ataaataatg ttcacgcgga 180
atatntttta acaatcttcc cacaaaaactt tctaacagag aagggtgctgt aaataattaa 240
gataactatt ataaatatca cgtaactctt ccattctata aaattatcta aatatcttat 300
gaccactaat aaatctacta ttctagggat tgatttcacc ttctatgtcc acaaaaaact 360
attctccacc aactatgaca ctatccttct ttcttgt 397

<210> 22871
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22871

aactcaagct taccaaggca caactttacc actatgttta gctcattctc aatcatatag 60
ataaagggtga tnttatttgg gaaaactcaa gtcccgcata ggctagagat agtgcaaaga 120
tagagtatat aagtgagggg caacccttat cttatgagct agcttttggg gttaagttag 180
acccaaaactc acattctaata agattataaa aaatttaaag catatttcat aattggccct 240
ttataattta aagtgtgtca tgataaagac atgatataag ttatttcggt attaaaagat 300
tctatacttc tttctttctg atgctattat tcttatgatc ccctggacac ccaaaaccaa 360
aacttctaga tccattactg gtatctacca tatggattat atgatacttt ccaaaatgaa 420
cacattgtag ata 433

<210> 22872

<211> 286
 <212> DNA
 <213> Glycine max

<400> 22872

catttttgaac caatgggaca tgccacattg tccccgttct cttgctattg ttacctaaac 60
 gcgcgcccac caagtgttct gtgaaatgcc tcaatggcat tagcgcgtga cttttgtaag 120
 gaaacaaccc atggggcatt ttgggttgta catatcttct ttttttttgg gacatgtatt 180
 cattccccga aaaggtata gtaattgccc cacatatatc ccaagcctat gaaccgaagt 240
 tttatgctaa agaacacata ggaggtgcat gttgggtaaa gtatcc 286

<210> 22873
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 22873

actcagcttc atgccacact tggcataggc atgttattac tatcttggtg catggcaccg 60
 gcgcggggcg gtgtcgtgga gtactcccc gctctctaac cccgaatctt accctacttc 120
 tcgccccgcg tttttgtggt gggggtatca ttttgaccca tctccgtttc ccggcttcgc 180
 gcggagacat gtgaaaaccc gctgtatatt agaaaaaggc aaagattata gaaaaaacct 240
 ataatttttt gttatctcta ttatacaaca ataataaatt taatgtttta ttgtaagtat 300
 aaaacatgac t 311

<210> 22874
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 22874

ctctgatggt agtcactctt acaactggag agaagatctt tgtgaaatca attccttggt 60
 tctgtgaaa ccttttcacc acaagtctct ccttgtatct tcttctaccg tcagattctt 120
 ccttttagcct atagaccac ctattctgaa cgctttcttt ccttctggaa atttagttaa 180
 agaccacgtt ctattcttct gaagggatgt catctcatct ttcacgcta gctccactt 240
 aatagtgtca tttccctgtg taggctcact gaaacattct ggctcaccag catcagttta 300

<210> 22875
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22875

tgttaaagaa cttaggaaaa atcaagtaca agcttggttcg cacatcgttc acgtgtatga 60
 tatccactcg acaagggtttg aagtagagga gaccttcaat cctataacgc aacgtggcgg 120
 acaaaagtgg gcagttaact tgaatgacca ttattgtcaa tgcggaagga attttgcgct 180
 tcactatcca tgttcacaca ttattgcagc ttgtggttat gtgagcataa actactacca 240
 atatattgtt ggatcgagtg gcctcagaat aattaaagagg ggggggttgaa ttaattattc 300
 ctaaacattt accaattaaa aaattactct nttaaggctt ttactaaatt ttttaagagaa 360
 tgaggagtag aagagaatct taacagaaag taaaagcggg aattaaatgc acaac 415

<210> 22876
 <211> 501
 <212> DNA
 <213> Glycine max

<400> 22876

tacagtctcc gatactcacg aaaccctgaa cttgcggcat aacacagatg cggaccatgg 60
 ttaaatacctt gtcctatcc tttgtacttg caaggactta cgatcaatac attccgtgaa 120
 caattttaca tactaactat taaccaatac accccggaac agttctacaa tgtagagggg 180
 ctctataaaa aaatatagga cactagggag gactgtcttt tgatagagaa aaatccctaa 240
 ggaaaagaaa gttccttttc actttctgac cccaggggta aaatagtaat ccccccttct 300
 atcttttcta cgagagacga caggcacgaa ttgcaagttc tattcatctc tctgataagt 360
 tactgaagtc tatgtgccct cgacttgatg gatccaaaag ctgaactcat gtgaacttcc 420
 gatgcggtag gactgttact ccgaagtaaa atacctttca cattataata acatacgcta 480
 cgcgcctatt aaatgtagcc g 501

<210> 22877
 <211> 325

<212> DNA
<213> Glycine max

<400> 22877

tgttgtctgc catattatac tcaggatgtg ttaattatgt tatatgcctc tgcaagcaat 60
gcaactaatt caagacgacg gccaatcagg tgaaaaaagg actacagaag gccgacgttg 120
taatcactga gattctgata cctgagaagg tatgttaaga aagaagatat aactgtagat 180
catgtaaatgt tgggttcacac tttcactgac ccttggaaga ctgtttatgt cagtgatcta 240
ttgttgaaat tgctagggat tgcgtactta gcaccgcttt gtttactact cccttctatc 300
cacacgggaa atcgaatgta acctt 325

<210> 22878
<211> 385
<212> DNA
<213> Glycine max

<400> 22878

tgaagcccct tacagaccct tctgcttctg ccctagcctc ttcccacatg cccatgtggt 60
cgctttcttct ccaacaacct tcatttccag cgaccgggaa actcaagtga ccagcccact 120
ccggcaatcc cacctgagat taggttttct tttctttttc agtttttgag cttatacata 180
catatatata tatatatga aagagttaca ctctaaccac atgaaccaa ttgacaaaaa 240
aaatgtctct ttggtcctga gacctatggc acaccaatg gccaatatcc atcaaaaacg 300
ccaataaatg attgttcatg gagaaacaca atagaacagt gtcaaaagat gtggagccaa 360
ttctgagcca cacatgacat gcata 385

<210> 22879
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22879

ntataagcgc ggctctggga gacgaaggtc aagtggtcgc gatatacgag gatgatgttc 60
cgagtacatt ggatttgga cgaccatgcc ctctgattt ccagctggga aattggcgag 120
tggaggaacg cccaacatt tacgcagcga gcataatgta aacctttacg gttttaaaag 180

ctctatagtt gggcctaggc tttagagttt ttcttttggg taaggctttg tgtattttgt 240
 ttttttttta aatttataat acaaggatct ttcttcatct gttcctacgt ctctacccat 300
 tctcatccat ttgcatgttt acttcttttc tgaaacggca gatccgatga cgagtcccc 360
 gaaggtacta atacctgnga cccgcctatc aacttcgagc aagaaatgaa tcaaac 416

<210> 22880
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22880

ccaatttcat aagctattga tcgagccac tgcaaaatat catctcaggt agcaaacacc 60
 tacaatgcaa gccacataat tttagtcttc aaaggacat tcattttatt aatttaataa 120
 caataaatca cattattacc taagaaatat tgaacgtata agaataatca acatgttctt 180
 cttcattcac accaactntg ttttcattnt catcattcat atcaacttct tcagacatta 240
 tactttcaaa caaccattga tctttgtcca tcttaacaac acattcaana tttcaacatc 300
 acagacaaac aacacctaac cgcaccatan atatatgatc acacaaagcc ctacgtaatt 360
 tttactgcat accatttata aacattttaa tgatacncta ttattaaaac catacatcac 420
 ttttatac 427

<210> 22881
 <211> 425
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 22881

gaggctttgc atatataact tatacacact cattaatatg accagattaa ttacaaagtg 60
 tttaactatc ttagctgaga atgaaggggg tatcttattg accaaaaata acgtaatgct 120
 tatcttcta gctaggccct aagtccaaat tctaagatgg tatcaaagtt atcctagatc 180
 cattgctggg ccatctacat tgccatgctc taagccgatg ccttgggcat gatgagagag 240
 ttctaaaccc accttaattg cggtcactcg ttacctactc tagctgtggc ctttttgggg 300
 tctaccttaa ttgtagcctc aagggtggcg tttactccca cattgattac agatattcct 360

tanataaaat aagcggttaca agtgcgtgaa accctcactc ttgagctaac tattgtggtc 420
gagtc 425

<210> 22882
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22882

gggatcgact ccaaaatttt actggaagtc tatagtgcat aagcctacat tgtgaccgtt 60
gggatcgact agcaaacatc cagaactcat tctgtactac tctttccaca gccaaaccaca 120
cacaagcatt ttctgcacca agctaaaatt ctgctgcact tattttgaca gcaaaattct 180
gcataagtgc agatttcgaa tatcacactt cctctcatcc aatcttggtc aaatcgaatc 240
ctacaagtcc caaatcatgt atcanacatg tctaaaccaa agccaaactt canaccacag 300
taacac 306

<210> 22883
<211> 425
<212> DNA
<213> Glycine max

<400> 22883

gcttctcca gaagcttcct cgtggcttgt ttgagaagct ttctcaagag gcttctttga 60
gaagctagat ctttatctat ccacaccctt ctattaacta aatgaaattc cttaaaaata 120
attacggatg aaaataacac aacaaataat caaacatcaa acataattac taataatata 180
tatatatata tatatatcag ggtgttacag acagccatat tctacttgcc atatacaaac 240
aaaacacata ttagatcata tcaaaactca agtcacacta acaacataac caatacaaac 300
aaaaattcaa ttgttagtta attctagtgg cacataaaga ccataataaa atatataatt 360
aataggatag aagctccact caaaaccttt ttcaatcttc aacatcttga gacacaactt 420
cattt 425

<210> 22884
<211> 283
<212> DNA
<213> Glycine max

<400> 22884

caataaggct tgcaagggtgc atggcattgg gactgtcaga ctgagaatgt ttgacaacag 60
ggaaatgctg ctgcaagatg tgaggtatgt tccagaactc aagataaacc ttatctctat 120
aagcatgttt gaccttatag gatacactac aaagggtgag gatgggatga tgaagggtgc 180
cactggagcc tcaatcattg ctaagggaag ccgaagcaat ggggtgtaca tcttggaag 240
atccacagtt attggacaag cattctgttg caagtcaaac aat 283

<210> 22885

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22885

tgactatata tattctctta tatcaagtga aagttgtcat gctgatttca atacataatg 60
ggacaattag tagtcattta gtgtacactg tatagcatct ttaagatttt ccacagctta 120
tggtataaag gaatctttct tcggacagaa tttgtgatta atagtttgat actattactc 180
atctacttta gttttcttta ttttttaaaa attaaaataa ataatttacc atctttcttg 240
attttgtctg attgtatctt cttgctttcc accgttactt ttcaagaagc atagtgtcat 300
gaaaattgta tgaaggcagc catttgcat tgatagtttg atactattgc tcatcttcta 360
ctttagattt ctttatatgn taaaaattaa aataaataat ctatcatctt tcttgat 417

<210> 22886

<211> 370

<212> DNA

<213> Glycine max

<400> 22886

atgtttttaga cctagtaatt gtcttagaat gggagctatt ctaagatgat ttcgttgtca 60
tagtcatctt atgtaacacc cttatttttt gtaaaataaa ttaaaacaga ttttatttaa 120
aaataaatag ggtttacgaa aataatgagg tttctgaatt aaataaaaag gaggaataat 180
ttattaataa aaatggttta agggaataat aaattatttc tagaaataaa actgttatta 240
ttattaataa agtaataagt ctttttaaat ataataagaa atgagtattt cgtgaagtgc 300

tcactataaa agaccttgca ttactacat cgccttcttt ttcttaatct tttctttctt 360
caaccttttc 370

<210> 22887
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22887

tgacacattc tggcattgtg caccaggtga ttcaaattca tgaattcaat tattgcaact 60
cagaacaatg caacagcaaa aagggttccc actgaggaaa ctgttggtga tggggaagac 120
ataattagca agttgcatga aagcattctt ggtcacattc tgtctttcct tccaacaatg 180
gaatcagtcc acactagtgt gttatcaaaa aggtgggttg atgcttgga atccataact 240
ggcctacaat ttaatgatac tttgctttgt tttgggaaaa agatgcaaaa agaacagttt 300
gtgtgttttg tgaacatggt gtttcttcac ctgccaatt caagtatcca caatttctct 360
ctttgtttta cacgttatca gtatgattca accttgataa gtgcatggat ctcctttatc 420
tntaaaagg 429

<210> 22888
<211> 248
<212> DNA
<213> Glycine max

<400> 22888

ataaattatt accatgcac aatctctca atacttctat gcactagaca gaattcatct 60
cctcattagt tactactcct cacaacatca ccccatgca atgcaagtcc tcatatattg 120
agtgattcct tttgctaag ttgcttattg tctataaccc acaaataaa aaattctata 180
ttgaacataa gcacataata tataattggt atgtgagacg aagatggtaa cattgtacat 240
gcatacat 248

<210> 22889
<211> 339
<212> DNA
<213> Glycine max

<400> 22889

taataaagag gacaattata taagagacct cctctttttac aatattctca ctttcatcaa 60
tagccctcct tgtcctgtct tgcactttca actgttcctt ttatttcact tgtctgcttc 120
gctttcaata cagacatcga tgcgcactca gaaattgttg aacattgttg tagatggaaa 180
ctcacccttg agtcctattg tcccaaaatt gctttagata atttcgaaaa gactgtcacg 240
tttgataatt cttgctgcac atatattaat aataccatga tctgctctat atcatatgca 300
gtattaacca tcatatgcat gaccttaact atatatatc 339

<210> 22890
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22890

tggttgctgc cttgaacttt tccttgacca ctcatgttct ttcaagctcc gctttcaagg 60
cttgcacttc ctactctcc tcaggggttt cagcctcttc ctcaactgaa atcttttagtt 120
gcgggagcca agttttccat tgcgtccaag cttcaacca ttgatgatat ccaccaataa 180
catcgttgct gctctttcta agctccttat cctttctttg cacggaattc catgcctttc 240
ggactctctg aagcactatt gcattnggt cactganacc tcgtgcatg aaaggcgtaa 300
tactctctac cgacggcact cctcttatg 329

<210> 22891
<211> 444
<212> DNA
<213> Glycine max

<400> 22891

acactcccca atactcaagc ttcttagcta gaaacttgta ctgtgcctat agtgcacttt 60
gtgaggaaaag ctctaatagg cttctctttg taggaatatg agtccgatca cgtaaaatag 120
catgatcact aacaaccata ttctcaataa gctccatagc ttcttttaggg gtcttcaatt 180
taatcttccc tccagtagaa gcatctaata actgcttgga ctgtggtctc aaaccatcta 240
taaaaaatatt tagctgaatt ggctcacaga atccatgagt tgggtgtttc ctcaagtaagc 300
tatggaatct ctcaagtgtt ttactcaaag attcatctgg aaattgatgg aattacgaga 360

tagctgcctt gccttcagct gtcttaaact caagaaaata tttcttcaaa aatttctcta 420
 caacctcctc ctaaggcttc aage 444

<210> 22892
 <211> 226
 <212> DNA
 <213> Glycine max

<400> 22892

ggagaaatgc ctaaagggtt gggatccttt tcttcttcat atttctcccc tatctatagc 60
 acaatacggg agatgcttgc cgcccagctc gcccaggcga gctcagctcg cccaagcgag 120
 cagggttgct tctccagaa gcaaccgtct tctggaggaa ccatttgag ggcccagatg 180
 ggctgggtg ctatttgac cccatttct actaagtta cccct 226

<210> 22893
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22893

ntgctgattt agttttcact tacgaaagga tcgaaatggg tctgaaaaga agaaaattta 60
 atcatcttgc ttggacgaat gagaaaactg gggcgaatga aaaggatgag agtgaaggag 120
 aaacccatgc tgtgactgtc attcctatac ggccaagttt cccaccaacc caacaatgtc 180
 attactcagc caataacaaa cctctctttt acccaccacc cagttatcca cgaaggccat 240
 ccctaaatca accacaaagc ctgtctaccg cacttccaat gacgaacacc accttagca 300
 caaaccaaaa caccaacca gaaatgaatt ttgcagcgaa naagcttgta ggattcacc 360
 canattccgg tgtcatatgc taacttgctc ccatatctac tcgacaattc aatgggtgccc 420
 ataacc 427

<210> 22894
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22894

ggagatggct aggtgtttgc ttcataaaaa agaattgcc aagagatttt gggcggaagc 60
cgcaaatatt gcagttttca tgcttaacag actgccaca aaagctttgc aaaagaagac 120
accatttgaa gcatgggatg gctataaacc tgagttgctc aatctgaaga tatttgagtg 180
cttgtgcttt ttcttacatt cctcggggta agaaggacaa actagacatg agagcagaac 240
ctggaacctt tgaggctata gcttaatttc acaggcctac atgatctant tgccacatca 300
tgacaagtat tgtagcagaa tatgagattc tggactggat antggaactg g 351

<210> 22895
<211> 417
<212> DNA
<213> Glycine max

<400> 22895

tgctgaacaa actttgagat tcttatgatc ctatattata gaggatgctc atatactttg 60
gagagcaaaa gggagttgtg tttttcgttt ttatcttttt caagtgcag gttaatcagg 120
ttccagagaa gaaaaaaagg aaagagtctt aaagttgaac atgaacaaag ctgttagtgt 180
ttatggcctt ttgggacttt ttgcaggtgt tattttcagc tcatgcattt gtgggactcc 240
caggaatttt aatgtggaga atgattccgg tctaattggc aaaattgggtg agttcatttc 300
agccttgtag aatctgggtc taataattat accagcatta tttcatctca cattacattc 360
atcatataca agcatgctaa tatcttttcta tctgactgca gaaacatcac tcaacaa 417

<210> 22896
<211> 161
<212> DNA
<213> Glycine max

<400> 22896

ttggtcagat gagaattgat aatgactcac gctggaggaa ccagatgaat atagaaaggc 60
aatatgatgt ttagaaggat caccagcatg gtggaacaat gctcatgatc cttaatgctt 120
cttttaccta aagctctcaa attctatgac aaaaactata t 161

<210> 22897
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 22897

taaagttgaa aaataatata aaagtcctaa tacaggttca gcatgattcc actcactagt 60
 acaaaactca cctactaaaa tgtgtgctaa ccagtgtatc atacagtggc ctccattcaa 120
 tagttagtga aatcttttta ctatatattgt tgagtagtct aactaataaa tttccccatc 180
 taacctata aacaaaaaat ggcacaatca tttaagagca agcagagaca tatagagaac 240
 aagaaaactc agcatctcat ctaagacaaa atgcagcagc acctaagcat aatgcttatt 300
 acgggacaca tgaaatatct caaggccctt ctgaataagg ttgtgaacat cctccaaagc 360
 tacatcactt ttttccttta tgaaattgca caacacacat atnaagttag atttcaaccc 420
 aac 423

<210> 22898
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22898

atagacacag tgggatcaat taatgaagat gctgcactag atccagagaa aatgacgctg 60
 gaggaagcag ctacaaaggc acaagctgct ttcaggggtt atttggtata caactctggt 120
 ttattgaata ctctactgat taaaaacact tcactgatga aattgtatgt gtcctttagt 180
 tctaaaacaa aattgaactg taaatatgaa aaatatgttt taatctgtac tgcanaagaa 240
 tagtanatga gtggaattga ttctctgcta tgattcgcaa ttatgttaac atctgactt 299

<210> 22899
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 22899

taccgagaag aagaaccatc aacagcactg acccattcat catgtaaaga agggctcttc 60
 tcctttctgtg gggccacagc ccttgtgtac tcaacttcca atatcctttc ctgtaattga 120
 tcattgaaga cagttagcta tgatttcccta tgacatcata ccaaaggta acaatggttt 180
 cacactatca ccataacaag caaagcattt atttgtttga ttgagataca cacgctcacg 240

ctatgaaaga gtgcccttaa tataaaaaaga aattaaaac taaaatgaat cattggaatc 300
 caatggacaa atcaaact cctagactcc tggttctact acttatccaa gcacctatcc 360
 agttoccaaag ttaaatttcc attccatgaa acttcattca gaataactcc agtccccatt 420
 ttct 424

<210> 22900
 <211> 196
 <212> DNA
 <213> Glycine max

<400> 22900

gtgccaata cctcgtaaga tgtttaatac cacacccaaa aggggtacac atgaaaacct 60
 agtaggattt aacaaataaa acggcaacta aagttcatta agtgaaataa acaagcgaaa 120
 tcccaggaaa ctgaaacata tctaattctcc ccataagcc ggattttagt cttgtacata 180
 aaaatgcccc agagat 196

<210> 22901
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22901

ntcttttgta atagcccaa caataagatt tggatgttga tactctaccc tgtgtacacc 60
 acacgtactg atactaagca ataatatctt gttgaaatag gtagctcaaa atttaatagc 120
 taattagtggt attcatttaa aaatagtgtc agaaagatta aggatattcc aaaaatattg 180
 tccaggaaga acaacttctg atatctataa gtattaagta gttccaaaac acaaatggca 240
 ggaaaaaaat gaggaagac tagaggcttt ctttgacaaa agttgcaaag tatttggtgg 300
 cataccttga gaatagccgc aatatctcac aatgtaattt agaagttgag taagcataaa 360
 ctctaaaatt tgtttccaca accacaaatc cctgaaaata ttaaataagag tgacactttt 420

<210> 22902
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22902

ggcaatctct gaaaaatgag ttataataat tatcaggttt gcgcttaaag tagacgttaa 60
gtgaggaaag gtatagatat tattcaaagc cgctgcatgg atatacaatt atacataatg 120
ctgatctaata taagacataa attaaaaaac atttatacct aaaaaagtca ggcaactgaat 180
gtcttactcc aaaagagggg aagcactgcg gctagctgac aaagccaatg caccaagtcc 240
aaactcacat cgcaaacatt ttatgtgtga gtaaatcaat tttctaatac ttattattcc 300
acanacaata aattcacatt tacttaataa ataattctac aaatcacgtg tttaaaa 357

<210> 22903

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22903

tgtgcaccaa tgcactctcc atgagaccat tctgttaaaa agtggagcct gggatgacaa 60
tgggtgttttc atctacacga cattaaatca catcaaatac tgccttccca atggagatag 120
tgggataata aagacattgg atgtcccat ttacatcact aagggttctg gaaacaccat 180
cttctgcttg gatcgggatg ggaagaaaag agccatagct attgattcga ctgaatatat 240
ttttaaaactc tccttggtga agaaaaaata tgaccatgtc atgaacatga taaagaattc 300
gcagctttgt gggcaggctg tgattgctta tctccagcaa aaaggctttc ctgaggttgc 360
cctccattnt gtgaatgatg agagaatacg gttcaatttg gcgttgga ga gt 412

<210> 22904

<211> 360

<212> DNA

<213> Glycine max

<400> 22904

gcatgtctaa cacagggatt attgattcta ttcctacaca gatgtgggaa gcacaatctc 60
agggttttga tttaaaccac tctcataatc atatccatgg tgagcttgtg actacattaa 120
aaaatccaat atctatccca actgttgatc taagcacaaa tcacttatgt ggtaaattac 180
cctatctttc aatgatgtg tatgggttag acctttcaac caattcattc tctgaatcca 240
tgcaagattt tttatgtaac aatcatgaca agccaatgca attagacatt ctcatcttgc 300

atcaaataat ctgtcaggag aaataacctga ttgttgaata attgaccatt ttagtggaag 360

<210> 22905
 <211> 287
 <212> DNA
 <213> Glycine max
 <400> 22905

aaaagtttct tgaggaggaa aaagttctct atgttaatcg attacatcct gtatcgtaat 60
 cgattacaca agttgtctta agtttgcaaa ggtatgtctc gtatcgatct aattgattac 120
 aaccttattg tgattcgatt acacacgtgt cttgagacaa tgactaattt attcagagtc 180
 tttgtttaat cgattacca gtgatataat caataccttt cttttataag agttcagaag 240
 gaacaggatt actttatcga tacattgagt attaattgat acattgt 287

<210> 22906
 <211> 212
 <212> DNA
 <213> Glycine max
 <400> 22906

gaccacacag cggcaccagc agatatgcct caaggggtcc aggacacctt acggacctca 60
 agtggggagc tataatccaa aaccaaactt gaccaatccc gaccaatcc gggcatagtc 120
 agtcagtgag aacctgtgac gcacctaaac agacgagctc ctgccaggca accgatcaaa 180
 gaacacagac cacacagccc ggaagctagt gt 212

<210> 22907
 <211> 184
 <212> DNA
 <213> Glycine max
 <400> 22907

catgcatgtg ctcgatctat ttaattcctg cgcttccaat ttacactata actgagaaca 60
 ctactatctg gtataaaatt gtttaattcc cctgcgggtt ttaacttggt tacataatgg 120
 ccttttaatg tctattttat agcaaaattc tttccttttc cacaggagtt gtccttttga 180
 gtta 184

<210> 22908
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 22908

tctttccgag ttaatcacgt ctctcacctt agaattttta aaaccattgt atatattggt 60
 tatattctaa ttaaaactag acttttctgt cattaataaaa atcgtgtaat aaatagctga 120
 tattaatggt tgatgtttgt tattgaaatt gtcgaaaaaa ttccaagctc tacatcaact 180
 agaaataatg agtatatacg gactccagtt tagaagaaat atgaatattc tgtattacaa 240
 aagatattct ccatttagta aatcttcatt ttattaaaag atactactat tttaatatat 300
 cgaactacaa aatatgaaag aatacgcgat caaagccact tattataaaa tagtactact 360
 acttccaagt tccaagtatt cttcaacttt tgccattagt aatatgtatt atccgaatct 420
 tgactaagag ta 432

<210> 22909
 <211> 62
 <212> DNA
 <213> Glycine max

<400> 22909

gctggtgaaa aactaatgc caagctgata taaatgtgaa tgaagattgt aacgggcgag 60
 tg 62

<210> 22910
 <211> 493
 <212> DNA
 <213> Glycine max

<400> 22910

atagaacgtc atgcctctat caatagatac gaacatccat gattctattg tctatcgaca 60
 tggtacaaaa ccgaaattga agatgcactg ggactatgag agatcgatc aaacaaactc 120
 cacaaccgat tcatccatta tctcaccacg ctgcaaattc attatacata cagccccact 180
 acggccgaaa gagatgattg cctatggctc gagcaatacg aattcaattt atgtatgtta 240
 gtcggggaca atgcgaacaa caaccactca atcaatcatc tttaagaacg tttgaaataa 300
 cgttatcatt caacgcaaaa aaattgcctg actcttggac agatttcaaa cggacccttt 360

acagatgtct gatatacaag aatcgagatt tccatgtatc atccccgaac ttgtattatg 420
 gttcacagga ggaagtagga aacaataatt cggaacctcg ctattctcat aatagacagt 480
 agaaattccg tgg 493

<210> 22911
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 22911

cagcctgaac aagtatatat cttegttcc tgccattctt ccattctcct gcagagaatg 60
 ggattcttaa agtcttaaca tgccgtgatt gcaagcataa tgatgtcacc ttttatcggc 120
 tttcttgctg acagtattga cttgtaagac tatcctgctc ctagtgggaag tgactgatgc 180
 tcatcttctt gccctaattg aaacttactg ccgagaatca gaggtcagga cccttcacaa 240
 gcacatagag aaaatttacc gaaaggtctg tgataagttt cagtcactaa cacagtgaaa 300
 atgctatatg gtgtatatgg tctgaacaga gaacctgtca tgactagccg cttcaatagt 360
 ttatgctgca ttagtgcatt ac 382

<210> 22912
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 22912

tcagcccatc tatgaacgta ttcaattgga ttggctctga aaacccatgg gtgggagttc 60
 ttctcaataa acctctgaac ctctccaatg cttcactcag agattcatca gggaaactggt 120
 gaaatgaaga gattgtgctt tcccttccg tagtcttgga ctctgggaag tatttcttta 180
 gaaacttttc aacaacttct tcccatgttt ttagactgtt acccttaa at gagtgaagcc 240
 acctcttggc ctctcatgcc aatgagaatg agaataggct gagtcttata gcttcatctg 300
 gcacaccaac aatcttaaca gtgtagcata tttcaatg 338

<210> 22913
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 22913

tacaaaacaa gaaatgaatt gaaagtctcg gattttaaaa cttacccgtt gaagaacgaa 60
gaacggatga agaacgatga agaacggacg aaaaccttca cgaatttgct tacggaaaca 120
tctcggaagc gttacggaag cacctcggct tggattttct tcacggaaac aatttttttc 180
acccaaaaca gctgaaatac atagccaggg ggctgagggg tccttcgaac agcccccttc 240
agccttttta taggaaaaag ggggaggagg ttgccgccca gctcgcccag ncnaccttat 300
ctcgcccagg cgagctgggc g 321

<210> 22914
<211> 334
<212> DNA
<213> Glycine max

<400> 22914
aatggggtgt ccacttaaga agccacaaag gaggttctca ctgaagaaaa cttggagcca 60
gactaagagg tggaggaaag agaggtattg gcctctccct aggttaacat tcctttccct 120
caaaggctaa aaatgaacat catgatacgc aatttaacat ttcattgaaa taatgaagag 180
attgacatcg acattccttt cattgaggta tttcacaaat gcaaaatatg ctgagtagta 240
aatatatatt ccctataacg aaaagtggta gattttgatt ggtgacttaa tgaaaatgga 300
tgctatatct gagaaatacc caaagttaaa acct 334

<210> 22915
<211> 410
<212> DNA
<213> Glycine max

<400> 22915
gtaggataca ctttcaccaa agcccatatc aatatgaagg ttctaggaaa ttttttaaag 60
gtgtgggaac taataataat agtcatccaa gaagctagaa acatgaaaac tctatcttac 120
gataagttga tgagagtgtc atgtgtccgt gagattcacc tccaaaacag agaccatctg 180
ccacaaaaat tttactgccc tcaagtctgg agagacaaac ttgagaagag aagaaaataa 240
gaacttatcc aaagctctta tagtttagat gactaagtct gaagcttcaa acaatagctc 300

tagagggtcc acagatgatg aatcggctct aatgttcaaa aagttcaagt agatgttgaa 360
aaagatagga agaatttagc actcctctag aaagaaggac aacacattca 410

<210> 22916
<211> 164
<212> DNA
<213> Glycine max

<400> 22916

aaaatttaag tggccctacc cttaactatt caacttatga taaggagttg ttgccttata 60
cgtgctttta aacttggaac actaccttta tccaaggaa tttgtcattc atagcgacca 120
tgattccctc aatatattaa cgggcaacgc acgcttatac aaaa 164

<210> 22917
<211> 264
<212> DNA
<213> Glycine max

<400> 22917

tatggatgga atacttactt gttggtgatg aacatttgct cataacggaa tcaaaacatg 60
cgaaaaagga tgaccctatg gctgccaatt cgtcaattcc gtgggtatgg cttttgaaag 120
gggggaaaag aattttttga atgaaaaaac gccccccctt tcgtcatttt tataatttgg 180
tgcaggggtg gctcgcccag gcgagctaac ctgcaccttt aatttatattt cttctttatc 240
tttttagagct tgaggggaac atta 264

<210> 22918
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22918

tgtgcgaatc aaatcactcc tgcattttat ctctattatg cattctttct ttctttaccc 60
actcctcacg tttgggtttt tagggaaaaa acaccataac taaacgcgcc acaaggcatc 120
cctatgcac cagatccaaa tctagaacga tgggtgatca agaggagaca caggaacaga 180
tgaaagccga catgtcggct ctgaaagaac agatggcttc catgatggag gccatgttag 240
gaatgaggca gctcatggag aaaaacgtgg ccaccgctac cgctgtcagt tcggctgccg 300

aagcagacccc aactctcttg gcaactacgc accatcctcc ctcaaacata gtaggacggg 360
gaagggacac actgngacac gatggcaacc ctcatctggg atacaacccg agcggcttac 420
cc 422

<210> 22919
<211> 140
<212> DNA
<213> Glycine max

<400> 22919

tatgaacttc agctgccaag attgtctcga ttcttgcaact aatacgcgta ttccaaatca 60
tgtctgccgc gactgtgatc atgatcagca gctctccaaa attcaagccc agatcataga 120
aatggaccga aagctacttg 140

<210> 22920
<211> 392
<212> DNA
<213> Glycine max

<400> 22920

tgctgctaga cgctttcaga atocccaagat atgtttataa cttgatgggt ctgatgataa 60
tggtgatgtg ccttccatgg atatgcgttc atagtaaaaa taagtttcct ttctcttttt 120
ttttcatctg cggatgttgt ctttgagttt ctgacaattt ctctgctatg gcagtaccga 180
gtcccccttta ttatggatta cagcagatcc tgatatggag taccttgctg aggttcattt 240
taaccaacca gttcagatgt gggtaaggat aaaattgtgg tagactggta cgggggcagt 300
caattgattc tgtggagttg ctattgtgac atagtacttt gccaccctat gagaggcact 360
gcatatgttc aattatttaa gtccttcttt ct 392

<210> 22921
<211> 150
<212> DNA
<213> Glycine max

<400> 22921

taatgaatga gcgtgcataa aaaaatgagt aattcttcgg aaagaattac gtgcagtaat 60
tttgtgaagc agaggtgaaa gatttagctg cgcttacgac acgggctctt atggcgaaag 120

aaatttttact ggtctgaatt gtggaaaaga

150

<210> 22922
<211> 416
<212> DNA
<213> Glycine max

<400> 22922

tgtatggctg tgcgagatct gtcacgtat tccattttgc cttagccaga atctgaaatc 60
tggacgaatt cccttcccac ctgcatatat ggcataatac gcatcgccga tcataggatc 120
ttttcttgat tcctttatgc ttgccctctg atacgattca actccaatca caacctaaac 180
cacaagtcgg attgctctgt actaaaaatc ataactgcta cttgtaataa gaactgggtcc 240
ataatatgca taaattccat agacatatgt gcgtcatcta caccggccat taagacactc 300
atacatccca ctggtctaac atggaccact ttaatcttta tcctgttctt ttctttctc 360
tgtacacaca gaccactttt tatctgtttt ttactaaaaa acccatgcta aacgct 416

<210> 22923
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22923

tctcaattag caaactaaac agctttttcaa cagaagacaa gtgcctcgag gattataata 60
atgagtaatc ctttgtattc taatttataat ttcagaatta cataagcatc anaattttga 120
ggcataaaaaa ttcagattat agaacanaaa cgataaatct ttatgtcgca caattataag 180
aataaatata aagaattcaa tctagtctca atatatattc ataaatttca caactaattg 240
ggtttatcat ttagttctta acctctctca aattgggtcta agacctggaa gatgaagaaa 300
tagttgattg atgaatgaga gt 322

<210> 22924
<211> 390
<212> DNA
<213> Glycine max

<400> 22924

gctatcacga ggcacatcca cgatatgtgc ttaatttctt cttgtgggaa acgtcagcct 60
 tgccggtggc aagatagaca ttgaccacag gtctttctgc cccaagtggc ctagtggcca 120
 atgatcgtag ccgtgtcacc ttgcgtgtct acttcaacgg acatggagac gctgatgcct 180
 ctgcatgagg acgaggaaga ggaggaggat gcgatgcacg tggagtatcc atggtccttt 240
 aaagagaaaa agttgagtta gggaatatta tcagaagaca ttgtatgagt tatgtaaatg 300
 aatggaccga aatgaaatac tatattagaa aattacgcta gacgatgtct aataattctc 360
 cttcatcatg atcattacga ttagcatgaa 390

<210> 22925
 <211> 186
 <212> DNA
 <213> Glycine max

<400> 22925

gacgagtata ctgattttca ggaggaagta gggcgccggc ggtgggcacc actgggttact 60
 cctatggcca agttcgatcc agatatagtc cttgaatttt atgccaatgc ttggccaaca 120
 gaggagggcg tgcgtgacat gatgtcctgc gataggggtc agtggatccc gttcgatgcc 180
 gacgct 186

<210> 22926
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22926

tgagaactgt aactaagctt aatatcattg aaatttctat taagaacaaa aataattatc 60
 ctagttttaa tgagccattg actaccatgg atcaccagta atggacctga tttccctttg 120
 tagtgtcaaa accatcaaat cctgagatga agtgaagtaa cagtgcagaa gtgaaaatgt 180
 ctacaatcaa tggaattata tttctcaata attcttaatc tactatgtac caagactatg 240
 aaataaatta taaagaaaga aatctatgac agaggagctt aaatttgacc gaaagaatca 300
 cattgtttca aaagaacacc ttctgacaaa caaggcttat ctaattatca gaactntcta 360
 ctatctctct cccactgang tcaaaatacc agtgcacatg tttaagt 407

<210> 22927
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 22927

aggtgatgac attggaatat gtgaatgtcc attaatctga tgcattgacta acgagaacca 60
 cccttacaac tacgttagact cataaccgga gatagggttg aggtcaagat ctaattctaga 120
 gaattagttg gtagatgtgc acaccaagct tgaacattca ttccggaccc tttatgtgag 180
 catcaatatt atggatcggc tcttagcagt taggacaggt gcaagggttg gaatgttatt 240
 gggtggcatc agagtcattg tgagggcatg caaaattgaa gagatctgat cccttctgat 300
 cccttgaggt aataaagata tatatacgcg tcgatgtt 338

<210> 22928
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22928

aacctgttcc attttactga tcgttgatag acatatatta taacaaatag gcgacatata 60
 aataaatgaa ttaaatatgt ttgttttaaat aaatgatcga attgtattct ggatctctaa 120
 taaaagaatc tattattttg agtcattaat atattaaaaa tcttgttttg aatctctctt 180
 atcagntatg tgatgatgtg atatcatcac aaccattaa taaaatttga aaaattaatt 240
 tgtaagggtga tacgtcatct gctcactaat gataaagatt aaaaataata cttatattat 300
 caaggacttc aaacaccata ctaaattcatt acacatgtgt aataaaataa tcatttatta 360
 ttgac 365

<210> 22929
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22929

tgaaatgcan aaagactcnt taaaagttca atcatgtgtc tctgattgga aaaggtaaaa 60
 aaggatcatt taacataatg taaaaacaaa caaaccaaat aaaataaaaag gactaacctc 120

aattttacaac cggtaaataca acagtagaat catgaaaaag agaattgaat caatttttat 180
 ttttttttta acagcaaata attgaatcaa ttgatactgt tgggaaaatt atttctcaaac 240
 caaccaagaa agaaagatgg atttttatta ttatattatt atcatatact acaaggtaag 300
 aatgaaaaat tagcatacaa taaaagagaa tctagcctat aataattgga atctgccaca 360
 tcccaaataa gaaaaaccac tcatagtctc atacagtgca aacaccagca tactggctaa 420
 ccagcaaaa 429

<210> 22930
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 22930

tttttgcttt agcaattcta atgtgtagga ctccatgagc tgtttataac acaacttaaa 60
 atttaactct gttgtggcat acaaatgaat caattgatca tcttggtatt ggaactcttt 120
 gcttaatata taatggtaaa atagtttgaa tgacaagaac ataatgaatt ggcttatacc 180
 aattttcagt atgatcattc cttatataga atttgaacgc tggagtgatg ttatctgagt 240
 gatttttgt 249

<210> 22931
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 22931

atgcatttta tctgatgaat agtaacaaag gcatttgga gatttatagg taaaacacgc 60
 ttgtcatcgc gagacatctg gggcaacgta atctaataata tgagggtagg ataaatctac 120
 ctgattaata aagaaaaacc taataatcat acatcttaag caaacaaggc atgctacgct 180
 ctaacattct catcccattg aatcctctat tgattattct gcttcatatt atgagctttg 240
 tctacaacta tctgctatta attcctagac cctttattta tctgtatct ctctttattt 300
 cttttcttat aaattgaaca tcatacaata catgtaccat actgagtccc tggggaattc 360
 gacactctga cttctgagtt ttatactact tggaca 396

<210> 22932
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22932

aaatgtgcat aaagaacaat aaagatgtca tagatacaga attatctttt tacaaggaac 60
 tttattttgt cttttctaga gatttgggtgc aaaaacaata ttgaagggga agaccaatca 120
 tatttggaca gcagataata aattataaat gaaaaataga aataagatat gcacacttac 180
 ccactgtctc tgatgccttt aaaccaatth cgaatatctg attcattggg ttcagcgtat 240
 ctttctttat tcatgtcaat cttagatcca tctgtgacac cttttatagc aataacaaga 300
 taaggttact tacanatatc aacagagtat taaacaaana ttaacagaat tatctctttt 360
 gtttgatcct taccagcag aagaaagaca taacaagaaa tgcgttcgcc taaagtatat 420
 gctctccctg 430

<210> 22933
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 22933

tctaatttct atttccaaaa caaatctaa ttattataat ctgcaccatt aatgagttga 60
 ccattatttg accaaagaat tttctctgaa ttattcttat tctttctagg ctttaggtta 120
 aaaacttcaa agtttaacca tgcttaggta tcctatgggt aacatctcat tttctaccac 180
 tccaatagtc taaaaaact actcaatcac aaaaaaagc aataaacta tctaccacac 240
 acatggaaaa ttgggatgtt acactcaaca tctaattatc taggactacc ttgagatcaa 300
 agtaccgctc cactcttttg acctatctga aagaatcttt cccaccgaac aatggtatct 360
 tgagctttct ctgatgattt tctcttgagt ttgaaactta aggtgttctt cctcttcagt 420
 cct 423

<210> 22934
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 22934

tgcttgtggg gcttctatgg aggctgtatc tttgatcttc aatgggggtcc tttaatgggtg 60

attatccacc atggagatgc agcggaagac aaatgaaagg aggtgggagg aggcgccatc 120

cattaaggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180

gcttggagag gatgcttcaa tggaggacaa gaaagagggg gagaaagagg gagggggggag 240

cacgaaattg aaagaataaa aaggagagag agttgaactc tgagttgtgt ctcacaagac 300

tctcattcat caaagttaca acaagtgtta cacatgcttc tatgtataga ctaggtagct 360

tccttgagaa gctttcttga gaaaacttcc ttgagaagct cttttgagac aacttccttg 420

a 421

<210> 22935

<211> 189

<212> DNA

<213> Glycine max

<400> 22935

tttaatgaaa tataacacgt aacctaactt gtaactttgc atttgtaggt tacgctattt 60

tacagtgcac ttagctgcct gcatttttct attttcttgc tttagatcgc gacccaagtc 120

aacatggctt agcctgggtc tgatgacgct caaagcagtg tttggaagcg ctatgtaaca 180

tcaatgact 189

<210> 22936

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22936

ntgtgtacac tgagagcaga taagcatggt agagattaga ggctacatcc ttatctcact 60

ctctgcagac tacagcatgc cacaattntg aagggtatat gttatgaata tgatgccaca 120

tttaagagga cagaatataa atccaccaag agaagtaaca ttaattaaaa taacaataaa 180

ataaaaaaga ttactcactg tgagaggcca ccttttcaaa gtcaaattat tgctacctgg 240

atthgatcct gtcacaagaa aatctcttgt ttactccatt tatgcgcaaa aatagtaatt 300

aaacatcata acgaaattaa cactaaatcc caaaatatcc tcaaccaacc atgaataaat 360

tgcaaaggaa aaaaaaattc catcaacttg cagcaaaaaca gtttcaaat aataaaaatc 420
 agt 423

<210> 22937
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 22937
 tcatactcac caataacata atgctcagga tgctcaaaag gtacacaatg ttcagggtaa 60
 tcaagatgca caatatgcct aactaatcta tgaaatgtcc tatctatttt aggatgaaag 120
 gggtgtaagt cacctgcatt gcctctagtc atgcactata tgcagcagtt catgcgtttc 180
 tcacacaggg cataagaggt gggttaaaac tacagctcta ctaagaaaat attcaagtgt 240
 gctataattt tgtgagcaac accctagaat cataaaacga tagcacacat atgtttataa 300
 aaatattcaa agtctaataca tggaaactac ctaagga 337

<210> 22938
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 22938
 tctttgagaa aacttccttg agaagcttga gcttatctac acacacccat ctaaaaacta 60
 agctcacctc cttgagaagc ttccttgaga agctagagct tagctacaca caccctcta 120
 ataactaagc tcacctcctt aagaagagaa gctagagctt agctacacac ccctataata 180
 gctaagctca ccccatgac aaggctaaaa aatcctacat ttctagggta cccgacctac 240
 attatggagc cctaaatata aggctaaaaa ataatgaaat cctagtctaa tatgtacaaa 300
 gataagtgga cccaaccttg gcccatgtgc tcagaaatct accctgacgt tcatgagaac 360
 cctagggcct tcttcagtag ctctagccca atcctcttgg agccttttgc tcatggctct 420

<210> 22939
 <211> 302
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 22939

taaaaagaga gagagcaaaa gcatccgttg ctatcaagtc acttcgacaa aagatggaag 60
acaaactgaa gacagaacta gaacaaaagg tgcacaatta gtttttttgt tggttttaca 120
cgtactatatt tcccactttc tcaacatgta tgctgttagt gttatcagtt actatatagt 180
atttgttaaa taaaatgtat ttttggtaat tgcatgaaat tgaaactaat ttgaagttga 240
aacaaactca ngaattagca gaggtagact taaatgcagc cataacaaat gagaacacaa 300
ct 302

<210> 22940

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22940

tgatcctcat catcaatagc aacatctata ttttctatat caagaatcag tttattaaac 60
aaatccaatt gttctactac tgatctatct tcaatcattt taaacgaata caaagactgc 120
tttaggtaaa gacgattaac taaagatttg gtcatgtaca aaccttcaag ctttaaccaa 180
atcccagcag cagttgtttc cttagagact tgccctcagc ccttgtctcc gagactgagg 240
ataattgcat tgtgtgcctt ctgcagtagt gctttcttat ccccatcagc catcatcttt 300
tcaagtttgg cttctccatc aagtgtctcc accaggccct gctaaacaag aatagctctc 360
atcttcaatc gccatagccc agaatcattt tgccctgtga atnnntcaac ctcatacttg 420

<210> 22941

<211> 289

<212> DNA

<213> Glycine max

<400> 22941

ggaggaaaaa tcaagttgaa gactctagag gaagcaatgg agctcattga gaatatggta 60
gctagtgate acgctgtttt gcatgatagg acacacatcc ctaccaaag aagtctgtta 120
gagctttctt cacaagatgc attgttggcc cagaacaagt tgttggctaa gcagcttgag 180
acactcatag agacacttag caaattgcc aagctgctgc aagtagctca accatctcac 240
tcagcagtta tgcaggttgg gggctgaagt atttgtggag gggctcatg 289

<210> 22942
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 22942

tcttatccaa gacactttct tgggtggtgaa gcttcttctt ccatggctta ttctctagtg 60
 gatggtgcct cctctcacct cttctctttt atctttcgct ataactccat ggctgaaaat 120
 caccattgaa ggaccttatt gaagcttaaa gatccaacct ctatgatgca atcctacccc 180
 gcaagggcat tgggtagaag actcaaagta gattgggcta gagatccaag ggaaggccct 240
 agggttctca tgagccttaa ggtagatttc gagcccatgg gctaagtatg agcctgctta 300
 tctttgtaaa tattagaata gggtttccct tcgtctgggc cttgtacttt ggccattcta 360
 atactatagg gttttagcct tgtatttcga ggcattttga gtagtttttg tagtaa 416

<210> 22943
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22943

tcttctgatt gagcaacctc aataccaaga aaataacttca gatatcccaa atctttggtc 60
 tggaagtgac taaacaagtg ttctttaagt tgggcaatct tagtagtadc atttcctggt 120
 atcactatat catcaacata tacaattaga taaacatact tctcaggaga tgtatgacaa 180
 taaaaaacag aatgatcagc ttcacttcat ttcaaccan naagttgaac ggtatgacta 240
 aatttaccaa accacgctcg agggattgct tcaaccata gagagatcga tgtagcttac 300
 atacgagaat actccnctg agcaacaaac ccaggagggtt ggctcatata aatc 354

<210> 22944
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 22944

tctacttatg tggcagggcg ggcttccttc actttcctgt ctccaacgcg agctctgacc 60

actgtccttc cttcccgcgg tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttggggttt tatcaggcta gttatgccgc cattgtcttt 180
gcctaaaccc atccccgggtt cataaccgtt cccaacata actcggggcca tcattaccgc 240
cgcatcggac agacaagggtt gcccaaagag ggagtccacg gaggaatgc tgaccacctc 300
aaaagactgg aaagcgggtt ctaacgattc ttctgcggct tccacataag gcatggagga 360
tgggcagctt accaagatat cttcctcgcc tgatacgatg accaagtgcc cctccact 418

<210> 22945
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22945

aataaaacac aatatccata ggtggatctc ctattaagta taggtaataa tctccttata 60
ccctctattc tcaaactcta atccatcctt ttactagtga tcctctaaga aatattagaa 120
ttctgttggt agatctatca aagagtaata ctagctaccg tgattagtca caacacgacc 180
aaaaaaaaa cattactact aacatgggat tatacttaaa tgactagtaa acaatggcat 240
tcanagatca gcagagccag tcaatttggt gaggccaaat gttatggcca tagccatcca 300
accttcaacc agaaccctaa gacaagacct cgtcactgga gtttttccaa gaacta 356

<210> 22946
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22946

ntcaacaagt tccttcacaa ataatcatca cacagcttaa aactaacaaa accacccatc 60
atatctccca aaaccccata cccacgaaat tcaaaggaga aagaagtcca gccaaacctg 120
aattttcgaa gtcccactcg tagccacgca cttcacgact ccgaaaatgc tctcctttca 180
cgatttgggg cagaaacggg cactaaaggt tgaagctttg tatggagctt taatggagaa 240
tgaggagga agaaaggcaa cgtgaggag agagaaagct gtctaaaaaa agaagtgagg 300
gctgagtga gagagagaaa agctttntgg ttttaaataa aaagggtttt ccctttttcc 360

attatatttat tcaagctctg ccacatgtcc ctatttgatt ggag

404

<210> 22947
<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22947

cgacgagtat actgatttcc aggaggaaat agggcgccgg cgggtgggcac cactggttac 60
tcccatggcc aagtttgatc cagaaatagt ccttgagttt tacgccaatg cttggccaac 120
agaggagggc gtgcgtgaca tgagatcctg ngtaggggt cagtggatcc cgttcgatgc 180
cgatgctatc agccagctcc tgtgatatcc gatggtattg gaagagggcc aggaatgcga 240
gtatggccag aggaggaacc ggtctgatgg gttcgatgag ga 282

<210> 22948
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22948

tgatcaaaac aattatctaa tcattccaat ccacttttat catacaattg ctcatcctaaa 60
tcattctcaa acactcattt catgcaaaac aatccactac atatcatttt caatcaattc 120
attgttcaaa cacgcttttg gtacaaacaa acaactcaaa gtgctgaaat ttatataatt 180
gaaatttaaa aaaattgaaa tataaaatct gaaattaaaa tgactgaaca taaatcataa 240
aataattgaa aataaactaa aatgttcgag atgcacaaat ttaaattgtcc tgctcctgtg 300
gttgctccta tgcattgtca ttaaagtcca acacctgagc agctgggtgca gatgggtgtg 360
cataatcaag tatgggtgct anggatggct ttgggatctg gttttagtaa gcacccctct 420
cttgagccct gttg 434

<210> 22949
<211> 186
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22949

atttcaagtt tcaagttttc aagaatcaag aatcaagaat caagaataat caagaacaag 60
 attcgagact caagattcaa gaatcaagaa aagactcaat caagataagt actaaatttt 120
 ttttcataac attgagtagc acatgaattt ttcacaaaac cttttaccaag agagtntgta 180
 ctctct 186

<210> 22950
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 22950

tggtgccttt gtcgggcaaa ttcttgccgg taacgttgag ggttctcttc ttgctctgaa 60
 tgcactccct gagcttgtga tcgggaatag cggagaggtc gtctgatcg gcggaggagg 120
 aggccggcag gatgtcgtac tcgcgcggag gcgagtcact ttggaactgc cggctccagt 180
 caatggggag aggactcttt ggtttttggt gttgcgcgtg ttgttctctc atcgtgcatt 240
 cgacaggaga gtgagttgaa agtggtgggt ttttacgtta cttgtgaaat tggtagagagc 300
 agaaatcgaa catagaaaat gggggcagcg agtggcgcg caccaccaca caccacactt 360
 gtgtgtggtt ggctgctcgt ctactct 387

<210> 22951
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22951

tcagacaatc caaataatta agagacatta tttttctgtc atgagcatct ttaatgttaa 60
 acattagtat atcttcgcta ttaaacaatca ttagaccaat agagttgcct aactttattt 120
 ttatgagctc tattatataa catctttaat aaatntaaca acttttttca ctttttaata 180
 atgtaactct tcatatctaa cttaaaaatag atctaataaa ttattgtaga tgtttatatt 240
 tttttaataa ggaattatct taatattaaa aacagggttct tgcaaaagaa gaatatgtgt 300
 agtctcttgt catctanata actctaatag tanaagtggt ataaaattaa ttgttaagtt 360
 aataaagtct taattaaga 379

<210> 22952
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22952

ntatagtttc aaatcataag ataacatagt aagactatat aagcattatt tacacacaca 60
 aaaaagtgtc cccgaccccc acaacaacgt tggtttcacc atgtttcttc atcttttggt 120
 tctgcctcca tttttttgaa gctttttctt gaaaaccaa gaaacaaatt gaaatattcc 180
 cttcaaataca tggccataac tcttggtcgc ttgcgaaccc aaatccatgg tgccttcat 240
 tgcctctggt gtctcctttg cctccacctc taattcctcc tctatgattt catttccttt 300
 gattttctctt gttcctctat cttcttcaac ttcttgaacg atagaagaag atgaagcgag 360
 attaagcatt tcaacttctg gttcctctct gggaatcttg tattcatcat cttggctgaa 420
 gagagac 427

<210> 22953
 <211> 259
 <212> DNA
 <213> Glycine max
 <400> 22953

gtcctgtggt gcagaagggg aaaaatccat gggtgtgaca tcattcctcat cctcagagag 60
 ctccagcaca ggcgtgccta ctggtgatgc ctgtggggaa gtcaactcca gcacaggtgt 120
 ggtcactggt gatggttggt gagtcgagtc aggagtagcc tccacaacgt cctcctgagt 180
 agctgggtca gtctctatga tctctggctc tggaatctct aagtcagcct ctggatcaac 240
 atctgtatca gcttactga 259

<210> 22954
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22954

gacactcaga gtactcaagc ttgttagttt gtcattccctt tcattagttt tttttttata 60

cctaaaattg atttccagtg cctgttaatt tatgcaggat ttaccaagta gcaaattgtga 120
aatctgaatg gaactgtatc aaaaccttcc ctgattttatc tggaacagggt tttatacctt 180
tttcccattg ttcattattc cttgagggtt tgatgatttc atgtttgttc agttactaat 240
acacaactcg aactttttct tctcaggga gaacacgtgt gtaaaatttg gtccagattc 300
taaatacata gctgtgggat caatggaccg aaatcttcgg atattcggct tgcccgggtga 360
agatgctcct actgagtcac aaaatgcctc agttgtacaa gccanagtct tgctctggag 420
taaaca 426

<210> 22955
<211> 252
<212> DNA
<213> Glycine max

<400> 22955

ctgctgggta taccgggtctt ttacaagaga gatccttctt atgtcagaca ccataaagggt 60
atctatggag aagcaatgac taaacatcac gacagggttca tagacaagat ggagaagctg 120
caggaatgga ggatggcttt gaaacacgta gctgacttgt ctggctctca tttcacagat 180
gggtatacaa tcataactaat atatattact ttatggcttt tattggatta cgacttactt 240
gtctattgat tt 252

<210> 22956
<211> 377
<212> DNA
<213> Glycine max

<400> 22956

ctaagcttca gatttataat agattcttaa aattattatc tattaaacta tgacaaacag 60
tgaactgggtg ggacctttca gaccttctac tatggacttt attaattggg gcgcataata 120
catgcataca gatattatac acttacaaaa tatatcagag atgaacaaac aatttaacat 180
ttttcttttag agctagcaag tgctgggtct cttgctaaca gtttcaaaag cttacctttt 240
cttccacttt cttgaataat gtggatatag tagcctgaac aagtgaacca cgattactgg 300
acttaacttc agtagatgca ctcgctgaag cagattgaga cacttcctta cattttgatc 360
gagaagcaaa ctcatta 377

<210> 22957
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 22957

gagaccactg atgataatca ccacacgata atgcattgct gtgattgaca ctattattct 60
 ttccttagga atactacaaa gcttactttg tcgtggcaga atacgcctgt gcatagatag 120
 caccggcgag cgtccttgct catagatgcc ttgtgtgaga gtgaattatt atcactaggc 180
 cgaatcctac agacttgtgt tttgccataa aatgaagaca gaaacatgcc gacagcatat 240
 tgtacgcttg actgatgagg agtgcactcc cagatctcaa ctggatattt gcaaataagg 300
 aggatagaac aatgaacaaa tgtacaaaat tgctaattag tatctttotta aatgacccca 360
 tgataaacat ctgggatcga ttgagccaac aacgtacaaa ggggtatacgc atcctgattt 420
 ggtgccctgc ctctgctaaa tccagatgga tccct 455

<210> 22958
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 22958

catacgaggt acttacgctg taatgccatt caaatcatgc tatttcattg acagacatga 60
 ccagagaaga tccctcaata gaagtttctt tgatacacga caggatgaac aatgaatatg 120
 cctacgaggt gttgtacgag acagcttact ttgggaaaca aaaagccatc gcaatacaat 180
 atggagattg agaacacgta tatgcgaaac tatcttcgaa tctaacacac ctgctaaagc 240
 agttctcctg catcatatct tcgaatacta catgaccgat ctattat 287

<210> 22959
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 22959

at ttgataaa tatccccaat attttgtgtt tgtgtgaata taattttgtt tgaattttgg 60
 gtaggatttc aattttgaca acctttggta ctaggatcaa tcagatagag tatatctgtt 120

acaacctttt ttttttaaaa caaaataaaa ctccctaaat ttgatcctcc aatgtgcaca 180
ctcttatcac attacattag tgccctcataa aaatatgggt accaaattag tccctcgaag 240
atactattct taccacttta gttctcttaa g 271

<210> 22960
<211> 424
<212> DNA
<213> Glycine max

<400> 22960

tgtattgctc gccctcaaca cccaacacac accaaatata aagaagaaaa aaaatctaca 60
ttgctctaaa ataaaagcat aagttcattc cccgccaaag acagcactga ttctttacaa 120
aatattacat ctgtatttct ttcttctaga taacgcgaga gcataaaact agaactacgt 180
ttaaactata tatatatata tatatatata agaacctaga aaatcttgaa ttaaaagcca 240
aagaattcac acgacaaaga ttatacaaaa attgatgaaa gcagaggaac aaaattgaag 300
gccacagcaa gcatttatag acacaaatga ttgctcacgc aaaagagggtg tataaatctc 360
cactagactg aaaaatatct gtccttttct ctcaagctga gtggtggaat atgttagcaa 420
tcaa 424

<210> 22961
<211> 251
<212> DNA
<213> Glycine max

<400> 22961

atatcgagac gctcgaaatt gaatgttgaa gctcttagca aattcaaaca acaataacct 60
tttactcgga tgactgattg agtcccgga tatattgaga cgctcgatca tgaatgttga 120
agctctgagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtccgata 180
tatatcgata cgctcgaaat tgaatgttga acctgtgagc aaattcaaac gacaataact 240
tatttctcgg a 251

<210> 22962
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22962

tcaacatcag accacttcca gggtgctgga actacttcac atggacttga tggggcctat 60
gcaagttgaa agccttggag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
atttacctgg gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaagagtt 180
gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaattagga gtgaccatgg 240
cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcaactcatga 300
gttctctgca gccatcacac cacaacaaaa tggcatagtt gaaaggaaaa acaggactnt 360
gcaagaagct gctaaggtea tgcttcatgc caaagaactt ctctataatc tctgggct 418

<210> 22963
<211> 330
<212> DNA
<213> Glycine max

<400> 22963
ccgccaagag gacaaaggat aaacagccta tgaactatct ctgctgttaa tgaaggcatt 60
tcatttatgc attaataaca tcatagttag ctggaaggca tttcataaac ttggaaagcc 120
atcttagctc actgaaacca ctgcaataaa ttcttaaaca ggcaagcatt gaaagcgatg 180
actacagtat gatattaaat gcacctgaac aaagatggga tgataaatag gaggattctt 240
cccatcaata aggaaaaact aaacgctgca taactcttct cttaatacct acatgaaaac 300
aaagtagtgc aaaaacattc tgcttttctt 330

<210> 22964
<211> 359
<212> DNA
<213> Glycine max

<400> 22964
tgtaacgatg tctagctttc tttacgttgt ttattatgac accagatcta gttcgggtcat 60
cacgttgccct aattctcttt acattgcaaa tttcactgct tgcacaatta ggactatttc 120
ttgagtggct tgtcaagttg acctcttatt atattgtgtc ccacacgcca atcaactctcg 180
tatctacgta tgatgggtgag catgatgtat gctgtgggag attccctaac accttctata 240
aaaaaaagac ctagcttata acatatattg ctgcacctaa tgaaattatg ctgcttactt 300

gcactgacta gagactcctc tccattgctt attctattat tcttatgccc aactcaact 359

<210> 22965
<211> 425
<212> DNA
<213> Glycine max

<400> 22965

ggacctaaaga atactcagct tagacaaatg gatgatgtga gaaatttctg ttatgttaat 60
gaagagtttc aggttattta tatttacctc gctatctaata ttggagtctg attcttcctc 120
ttttgggtct tcatcgaatg atgtgtcatt caatacttcc tatgtgttca tcaatacttt 180
cttgtccctt ggtttggagt accttttctt gtgaactgat atatcaagat ctggacattc 240
tgacttgaag tatcatagat tcttttactc atagcatatg atgaagcttg tacccttgct 300
ttttctttct ttttatgagg cctctaggat ccattccagt ttgatccact ccctttcttc 360
cataagatcc ttatcatcct tgagatgaag gctaactgat catcttcacg agagctttca 420
tcatt 425

<210> 22966
<211> 306
<212> DNA
<213> Glycine max

<400> 22966

gaatttatgc catcccatgt agccatcatt accttcttct ttggacctct tcttttgaat 60
tctttcttta ggaaagaaaa ctaagacttg atatagcgag acttgttgta ttcaaagcat 120
ttgacttgcc cagaggtttc tcttggttgg aagtctcttt tgaagtagtt ccttcttgct 180
ccttttctcc ttttgagcaa ttttgaaccc tttcagtcgt aaaggccaat tcttctttat 240
cttcttcttc tcttcttctc tcagagagct cggcatcact atactcaaca tcaaaattgg 300
atacta 306

<210> 22967
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 22967

ntattcataa ttgtcgtcca ctctacaatt aagtatctat ttttgaaaaa aatagtatcc 60
agcatctaac atgctgctaa tagaaciaaac attgaaaact aaaggatcat ccactacact 120
tttatcacac atccaaaagg actcttaaac acttgcataa atttttctct cttttataag 180
tgtagttcaa taatgagtgg attttaaacta atgtttgaat ctagcatgat taagacagat 240
ttagaaaaga cttattctag atcaatccac tattagaatg gtgaagagct tgacttattt 300
aaaaagattc gcaccttcat ctgctaatgc gctataaaga ctaacaacaa tcaaattattg 360
aatgacaaca atcaagtga aagagatcaa gtcgagaatg caaaagataa tcaaa 415

<210> 22968

<211> 303

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22968

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ggatgtctga ttgagactcg taatatatcg agacgctcga agttgaatgt tgatgctctg 120
agccaattca aaccacaata actttttgct cggatgtctg attgagtgccc gtgatataac 180
gcgacgctca aaattgaatg ttcaagctct gagttaattc aaacgacaat aactntttac 240
tcggatgtct gatagagtcc tgtcatatat cgagacgctc ggaattgaat ggtgaagctc 300
tga 303

<210> 22969

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22969

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aattttattgt cgtttgatt ggctcagaga ttcaacattc aatttcgagc gtctcgatat 120
attacgggcc tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggctcagag 180
cttcaacatt caatttcgag cgtctcgata tatgaccgga ctcaatcaga catccgagta 240

aaaagttatt gtcgtttgaa ttggctcaga gcttcaacat tcaattttga gcgtctcgat 300
atattacggg actcaatcag acatccgagt aaaaagttat tgcgtttga attggctcag 360
agattcaaca ttcaatttcg agcgtctcga tatattacgg gactcantca gacatccgag 420
t 421

<210> 22970
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22970

agtgttttga gaagcttagt atctatacaa aaatttataa aaagctttac acgaaagaat 60
atgttcgcgt agatgattca tgtcttattt ctattccata tatatagttt tcattttcat 120
gtatctattg tctcacaatg gttaaactca tcaactgtgt cttcatctaa agtcttgagc 180
ccattggagc atttacgtcc tttctttaag caaagtccat gttgataggc tagtgtgtct 240
tgtacttttag taggaaagtc acttctttct tcatagtaag tcagcaacaa cagaatgcac 300
acctantgat anggatcaac ttcttctaga ctatggactt catgtattct tcataggact 360
ttgacaaatc c 371

<210> 22971
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22971

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atagcatcat ttatggcgct aaactgctgg gagttggaag ccatcttcac aattaaattt 120
ctggcttcag caggagtcac gtctccaagg gctccaccac tggcagcatc tatcatactt 180
ctctccatat tactgagtcc ttcataaaaa tattggagaa gcaactgtc tgaaatctga 240
tgggtgagggc aactggcaca tagttnttta aatctctccc agtattcata caggctctct 300
ccactgagtt gtctaatacc tgagatatcc ttctgatgg ttgtggctct ggaagcaggg 360
acattttttt ctaagaatac tctcttcaag tcatcccaac tcgtgatgga cctt 414

<210> 22972
 <211> 330
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22972

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 tgcttttaaac acaaattctg cccatctggc atgaggcatg ctggatgata tccaatatat 120
 tactcttgtt ttgttttttt gtctgtgtgt gcgcgcgcac tttcaatggt tattttattg 180
 tttgattnta aagcatcatt catgtggaac ggtggaacc ttatgaggag gcanagcatg 240
 aatttgcggc gagggacaaa aagcatgaga tacggttaga agtgagaaa tgaccgctga 300
 aatnttttgt ggcataataa tttaaaccatc 330

<210> 22973
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 22973

tgtttcaagt tttttttaca aattatttgc ggttttctat taaaatatat aataaataaa 60
 aataatttta ttacatttta aattgatttt ttaatatataa atttgacata aatgaacaaa 120
 agtaacgaat attcataact aaatgatttt tttattattt ttgaatgaat ctttattaag 180
 aactaaaggc atttgggaaa aaacaaatat aggcaaagtc ggctaataag gcattcgaaa 240
 taaaagctgg aaccacataa aaatatgaag ataaacttgc attatcagac ctgccttagc 300
 taaagcatca ataacttgat ttgcctcacg ccacgtagga caccaaacag tctgaccctt 360
 ctgctggtgg acattatggt gcatcttaaa gtgaagttaa atttactggt actagaaaaa 420
 taataaatat ata 433

<210> 22974
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22974

ggatggggac aatgtggcat gccccattgt ttcagaatac agcataggcc taaggtcttc 60
tcattcaaat ccttaactct aagaaaacaa gcataaaaac aaacccaaac tgccccacaa 120
atacaagcat attcccacaa tttggagcac caaaagatga agaaaatata ccaatgggaa 180
gctgaaaaca tcaaggattg aatacttact tgttggagtg aactaaagcg tgaaaaggga 240
agcanaaact caacaatgga agcttggggg ctgctattct cttagttccc gtgagc 296

<210> 22975
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22975

ntggtacctg agcatgacgg tgggtggaggc gtgagaaaga ggaattaaga gaaaggagga 60
aagaggaaaa gaagaagaaa aaagacaagc ggagagttgc cgcagctggg aatcgctcc 120
agtggtgact aatggcgacg aaggaagggg ggtgactgct gaagggattt ggtgatgatg 180
gtctagcata agattgtgca tcctagattg atctaagggt tgaaacttat ggtgcataat 240
acaccactta aaatggtggt ccatggcctt caatttaatg tgtgaatccc attaattcac 300
tccaactaaa aaaaaaggag aacacatggt gcttccctca acaaacatt ggttgaacat 360
atctatgcaa aaaatggtgt ctaagagaat agataggtag atctcagcaa aaaccagcat 420
ttgaaagaa 429

<210> 22976
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22976

ctgtcatcat gccgagactc aggaaggcca ataggtttag cttctcaat gtattctgaa 60
caaaattcaa tggcttcttc tgcaatgtac ctctcaacaa tagatgttgc tggatgatat 120
agattctttg tatacccttt taagatcttc atgtatcgct caaccgggta tatcctccat 180
agataagcag gaccataaca tttgatttct ctgaccagat gcacaatcaa gtgaatcatg 240
atgtcaaaga aagcaagggg aaaatacatc tccaactggc acagtataat tgcggcctca 300

ttntccagct catcaaactt gacaggatca atgactntgc tacatatagc atggaagaaa 360

<210> 22977
<211> 430
<212> DNA
<213> Glycine max

<400> 22977

acactatcga ctactgctgc ttgactatgc gagtcgcagt tatccttaat ttcactttag 60
gaatctagac aattcaatta cacacatgac atatcctata gcagaaacgt ccgattgaaa 120
tttactgta ttatactata aggtatatat ttgattatta tataatcatt tacctctttt 180
tttgattacc aacgcgaatg cggcagcacc gatcgggcat aattcatttc aaccatcatt 240
aacggatgat acaattcaaa cgatcgggtgg aaatccactt tatttttaca ttactcgaca 300
aatgacttaa ctaattggct tacgcacgtc atatgggggt ctttctagta attgacagcg 360
agaataaaaa tccttgattc cacatgtcga ccaccacagg ttcttacatt gtattaaaca 420
gcttgacttg 430

<210> 22978
<211> 254
<212> DNA
<213> Glycine max

<400> 22978

tgctccacct caaagatccg tccccgcatg aactacccca actgaacata gtccgtcata 60
ccctagcctt acccacaccc gtaaaagaat atgttcctt tgcggaagat aatggaaaga 120
ttgacgcgct tgaacagagg ttgacagcag tcgagggcct tggctattac ccattctcgg 180
atttagcaca tttatgtctc gtgccaaca tcgtcttccc tcccagggtc atagtaccgg 240
actttgataa gtac 254

<210> 22979
<211> 419
<212> DNA
<213> Glycine max

<400> 22979

tggagaggat gctccacgga ggagtttaag aggtttacga cgagagaggg gggagcacga 60

gattgaatga agaaaaacgg agagaagccg aactttgtgc tgtgtctcac aagactctca 120
 ttcacaaag gtacaagtgt tacacatgct tctatttata gactacgtat cttccttgag 180
 aagctttctt gacaaaactt tattgagaag cttctttgag aaaacttctt tgagaagcta 240
 gagcttagct acacacaccc ctctaataac taagctcacc tccttgagaa gctttcttga 300
 gaagattcct aaagaagcta gagcttaagt acacacaccc cctataatag ctaagctcac 360
 tctcatgcca aaattcatga aaatataaga aagaagcttc tattacaaga ctactctaa 419

<210> 22980
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22980

acaacaatga tccgatactt gtccatgtta ctgtttatca tcatttttctg tcattttata 60
 atatttatga tatcaccac aactagatct catgagcctt accatattct aggtgggtgtg 120
 tatactctcaa atcgaaanagt ttatcgattc tttttgtgtt gagttggtat tgtacaaaaa 180
 actatattat cgggtgttgt tctatcaaga tagcatctag tgctagtgtt ggtttaagaa 240
 atttatgtga gaaacttgta gaggctatac gaatacctat atctttaatt aatcactgaa 300
 aaaatctcac tactctatcg agaaaactag nataaatgga atataatata agggggttgaa 360
 tatgtgtaac aanagtaaatt ttttctc 387

<210> 22981
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22981

tttagctaatt tntatcgaac atatcttata taagctaata actaaaaaag ttacaagcta 60
 ctactagtat gtttgggtaca caagcttatt ttaataactt gtttttcata agctacttta 120
 aataacttat tttcattaac tgctttgaaa taacttatga aaaataagtt ataagctact 180
 ggtttttttc ttctcaattt tatctatttt atttgaaatt ttattttatc atttcattca 240
 actaaaaatc cctcatcatc ttttattttc tgtctggaaa aatgctctta tcttttatta 300

gtttgttgaa tgtcaaacta tttatgtcaa taaactatta cattgcttat tgtaatttat 360
tattaaaata ttttgggtact aaacaa 386

<210> 22982
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22982

gctaataattt tttttaatca agtttgtgaa tcacatgtat gtgaacactc ttagttcaac 60
gattttttttt tttttttttg ttttaacgttt gtgttggtact taaatgtgaa acacacctat 120
aaggacgaag agactagtaa atataggaac aatctagagg tatgaacttg actttgggag 180
cattaatggt tgagttttga agcattttta gatggaatag ttcacatgtc ttaaggcaca 240
caaatctaaa ttaagagaaa atattgattg cacgttatat tttcatttct tggcagngcc 300
gtgactgaac ctc 313

<210> 22983
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22983

tctgtcttac agtttaaaca aatataatat ttcgacttat gaaaagaaca aggtttgccc 60
aaaaaaagtg aaagatctta gtttataata taacctanac tggatactgc atgagaattt 120
ttagaacatc ttaccaaaca tgattgcaca cttaaacaga gtaatgaaat aatcatgtca 180
ttttggaccc ctttccttca aagggttagag attaatagaa tttgcatatc aaatgataaa 240
taaatagatg tatgcaagcc agatgacata agtcgctgat tctgatttct gagcccataa 300
ggaaaatgat gacagaagag tgatggggtt tttacaacac aactcccttt tgtggataca 360
atctttgtac agatatgttg gtcaattgat cattagacat tgcatttgca ttaaat 416

<210> 22984
<211> 254
<212> DNA
<213> Glycine max

<400> 22984

cgcagaacca ccaccaccac cgccaccaca accacaacca ctctttctgg tgtgaaaaaa 60
cgccactctc ttttttccga gatcggtgca gcaacactta ctagctccac caccactcga 120
acctgaagaa agcttggagc accgaagctg agccagggct ccgggcctga ggtacttggt 180
cttcccggag ctccgaacct taacctatca accttgctct ttcggcgaca ccttccccat 240
tattatttct tctc 254

<210> 22985

<211> 405

<212> DNA

<213> Glycine max

<400> 22985

cttattatag acatagcaat aaaaatatat ttactattag aatttataaa agaattttta 60
ggtcttacta gtaagcatgc tcagtgcaaa tgactaattg gttgaaattg acaaacaact 120
catctaccaa tttattgcga gacactgtaa taacaaaagt aggtataata atcattaatc 180
caatcgacat catcttaa at gcaccatata aagcgtcctt catcagtatc aaaaaggaaa 240
ggaagaaaga cccatctcat taatagttaa gttgggtcatg gtcaagaaca ccgtagcat 300
tagaaaaaga taaagacaag gccaaataaa tatcaatcat ttcatacgca tgggtccatta 360
ttattaaaac gtacaactcg gataagtcca ggggttcacg agtct 405

<210> 22986

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 22986

aattttaaat gacagtgggtg gaattacgtg agttatgttt aagtaagttg tatctcattt 60
atatgactca ctccctgtgt gctatttgtg tttggatcct atgatgatct cgaactttgt 120
gttcggggga gcagatgact aggtgaattg ctttaaagaa ctttatgctg aaggacgtcg 180
ggacacaata ctctgatagg atgtgacatt ggggcataag tttctatatt attatttatt 240
ccttatatta ttagtacata tacgtatggn gtagaggggtg tcacaacaag cacaagctat 300
agcaacaaaa agttcagctt ctattgcttg acaagtaact attgggtgct tcttagataa 360

ccatganatg acaccgggtt ccaacataaa gacataacta gaagtactc

409

<210> 22987
<211> 413
<212> DNA
<213> Glycine max

<400> 22987

ttagcgaatt actattgtta ttgaaaaata tgcttcttgt agataacatg ctaccgaaga 60
atcattatga ggcaaagaag atattatgtc ctattggaat ggaataccaa aagatacatg 120
cttgccataa cgattgtatt ttgtataggc atgagtatgc tgaattacgc aattgcccta 180
catgtgggggt gtcattgctac aaagtcaatt ccaacgattg cagtgaacat gctagctcat 240
acaaagatcg tccatccaaa gtgtgttgggt atcttcaggt aataccaagg tttaagcgat 300
tgtttgctaa tgcagaagac gcaaaaaacc taacatggca tgctgatggc aggatcaaca 360
atggattgct ctgtcatcct gttgattctc ctcaatggaa aataatagat cag 413

<210> 22988
<211> 453
<212> DNA
<213> Glycine max

<400> 22988

gtgcttaatt gttaaactta tcaaaccata gataccgttg attactaaaa ataccattt 60
tctctcccc tttggcaacg ccaagaagcc aaagtgtgcg aaatggaata tattagtggc 120
gcggtcaaaga ctaccgaaca ttgatcaaga atcaaccgat gaccaccttt ttatctaaat 180
ccctacatct aaagacaagt ttcttttaaaa aaagaagttc ctttggaaag gtttgggaaa 240
tagtcacagg catttaattc tccaatttaa acacatccct tttaaaacag tccctaaagg 300
agcatagcct atatgttggc aacacgtcgg atttgataat acggctggaa gtacgtctga 360
cacaagggtt ggacaaaaat gttacaatgg gttcctaaat tggcacaacc ggaaagtctt 420
aggggaaaac tatttgttgg gcaacaagat acc 453

<210> 22989
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22989

tgatcaaaac aattatctgt tcattccaat cctggagctg ctgatgaatc ctggatagga 60
tgctctagct ccgtagactgg tgtagatggc tgggtctcct caagaacagg tgcagaggat 120
ggctcacgta tctgatctgt ggaggtaccc tcctcctgag ccatgtgtgc atctgtgtca 180
aaataaaaag gctcaggagg ggtgagtgtt tgaaccggc aagtgcaccg gatcacgcaa 240
tttgataaaa acgataagaa ctgagtatcg aactctcggg gaacttgtgt tacttggtaa 300
agctatattc aatgaataag tgtctagat gaaaagagat gtgttgacta tgaatagga 360
tgtaaattaa ctattaagag ganaatcaca tgagtaatga tgcgtgaaga 410

<210> 22990
<211> 269
<212> DNA
<213> Glycine max

<400> 22990
atcatgcgcc tattgccacc gtcataaata taggtatttt gagaatacat cttaaagacc 60
aatggttaac gatggctcta atgggcgggtt ttgcttgaat aaataataat gagatcattg 120
ctttagtaaa tgatgcggaa aaggataggg acattgatcc acaagacgca cagcaaactc 180
ttgaatagca aaagcttatt tgaataggcg gaaggcaaga gacaaacaat tgaagcaatc 240
tagctcttga cgagctagga cacgataga 269

<210> 22991
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22991

tctcaaggag gtgagcttag ttattagagg gtgtgtgtag ctaagctcta gcttctcaag 60
gaagtttttc tcaaagaagc ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
tacctagtct ataaatagaa gcatgtgtaa cacttggtgt aactttgatg aatgaaagtc 180
ttatgagata cacttcaaag ttccacttct ctccctcttt tattccttca atttcgtgct 240
cccccttct ctctttcttt tcctccatta aagcatcctc ttaaagcttc ttatccaagg 300

caattcttgg tggagaagct ccttcttctt tggcttattc cctagtggat ggtgtctccc 360
ctctcctatt ctcttttggc ttccgctgca tctccatggt gaanaatcac cattga 416

<210> 22992
<211> 408
<212> DNA
<213> Glycine max

<400> 22992

agcttgcagt ttgagatttc ctgttctgtc tgactacctt ccaaagtta tcaaccataa 60
attgtaagaa atgcttatca tgggaattgtg ccaccttggt atactccact gctaaaaaaaa 120
tttaccacat aaagagtagt agcatgctgc aaccacaaga aaacttattc aaatgatttt 180
aaatgtacag gttcttaact ttcaaagtaa ataatactta attttgtcag aatttttttaa 240
caacgtaaaa tggagaatt tctcctatca aggaatatct aatgccaaaa agcgaataac 300
atgttcagaa gtgaacaata acaaatgata aatagaaggc aagagagaat atcatttaca 360
cgtttcagaa tttaattggt cagcaacct tgtacaagta agcatgtg 408

<210> 22993
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 22993

taactctcaa attccncttc atcccaggct cntnagtata agctttcctt cattanggac 60
aacaacctca gcaccagggt tgacaatatc tgtcaatggg atcatgagac tccttccgtc 120
caatgtgggtg agatccaacg ttntaccagt aaaggcctca agaaagggtta tctcttggtt 180
gatcaccana tcattaccat cccttctata aagagcatgc ggcttctcat ctatcacaaa 240
aatgagatct gctgggatga caccaagctc acggn tacct ttctctggaa aggtaatttt 300
tgttcctttc ttccagccag gttttatctc gatagtcaaa atctcctcca catccccaca 360
tttgtgaaa tgggaattgca tgtgtcaa 390

<210> 22994
<211> 409
<212> DNA

<213> Glycine max

<400> 22994

agctttgatg ttgcgtagcc caccatcttt tcatagtaga gtatcgataa tgtgtctacc 60
atcacgatta tcgtctccct ttccatcatt gggggtacca cttggggccgc cagatccctc 120
caccttttag gcgtgttctt tgaaagatcc gtcccccttt ttgcaaagt tctatagttg 180
catcctatcc ggaaccatat caaaattgta ctgatactgc ctaacaaagg caaccattag 240
gtccttccaa gaatggactc gggaagattc caagttagtg taccaggtaa cagctacccc 300
agtaagactt tcttgaagg aatgtattag caattcctca tcttttgctg attcccccat 360
cttctgacaa tacatcttta gatggttctt gggacaagta gtcccccttg 409

<210> 22995

<211> 326

<212> DNA

<213> Glycine max

<400> 22995

tcctctatca taacctttct atgagctcgc gactgggtccc agtcttgccct tcgcgacttg 60
agttcattat tgctacccca tagagctccg caaaattagt tgcggccata ctcttgcttg 120
agagccctct tggctctctg gtcaagggtc cttgcgggaa ttgcaatctc atcccgtaac 180
ccggcacact ccttccgaac gtgtgtagca gccaaactga acttctcttg gcgagtgttg 240
cctttcctta ctcggttttg agagcttgga cttcttcgac ctcttcgggt gctgcgaaaa 300
tctcttcgct ggcgaccttt aacttg 326

<210> 22996

<211> 347

<212> DNA

<213> Glycine max

<400> 22996

agcttgctgt taattgttac gacaaaaatt cggagctaag attgccgaat aaattccgta 60
gtatatcgag acgctcgaaa tgccaagtaa cctctcaccg aaatgaaacg acaataactt 120
tgtactcgaa tgcccgaatg aatcccgtaa tatatcgaga cgctcgtaac tgataacaga 180
agctctgagc aaagtcaaaa gatgattact ttatactcgt acgtgcgatt gtttcctgta 240

gtatatcgag accctcgtga ttgaaaccag aagcccgtag caaactcaag cggcaataaa 300
 ttgttactcg gatgcccga tgaatgccat aaaatgtcga ggcgatc 347

<210> 22997
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 22997

agcttttgtt caaagaagaa aaagaagttc aaagagattc aagacttgta aaggattata 60
 taagattgat tggaaaagtg tcttgaaaag aaaatcaaag ccttgctttt atagactctt 120
 catgtctggc caagaggacc atttagaaga gttataactt ttagaaaaac ttaaaaccaa 180
 tttgaaaaag tcaaaaacca tttgaagagt tacatctttt gattttattca gaaacaatca 240
 ctggtaatcg attatcaaat cagtgtaatc aattacacaa ggcttttatg tgaaaggatg 300
 tgactcttca catttgaatt tgaatttcaa cgttcaaagg cactggtaat caattaccaa 360
 aacattgtaa tcgattacag ctttttgaaa ttaattggaa cgttgtaa 408

<210> 22998
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22998

agcttttagtt tcctatattn tgaagcaaga tttgacattc ctataatgta ttcactgtca 60
 tttcctctgc cttgatactt catggaaatc aagttctaaa ggagagtact tgtttccgcc 120
 ttatcgcttt ttgcatagcg cttttcaatt tcataagga attctttggc actagttata 180
 tcactgaaa cagtaccctt aacgacctca ggaatgccac gcttaatgat cataagactc 240
 atgcgatttg agtgatccca cttctcatga agtttctctt attcagaggt acttgaatcc 300
 gtaggagaag gnggtttctc aatccttaat gcaaggtcta gatccatgca gccaaagaaa 360
 atntacatgt tctcttttgc gtccttaaaa tntgcaccat taagaactgg 410

<210> 22999
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 22999

gagttggagt gcacattgta ttatttattg tggagagcca tgaaagaagc aaagcaacta 60
 gtggaaagga atgagaggaa acaatatgtc aaagtatttg attatgcaca tgaattattg 120
 aggagcaatc ctggatcaac agttaagatc aacatagtg caagcccaga aggtccacca 180
 caatttcaca gggtatatat ttgtcttgct ggctgtaaga agggggttgt tgctggatgt 240
 agaccattca taggtctaga tggatgtttc ctagagagtg catatggagg aaacttgctc 300
 tctgctgttg ggcttgatgg caataaccac atctttgtta ttgcttatng tgntgcggac 360
 attgagaaca aagacaattg gaaatgagtt ttaactgtgt tgcataaaga tcttggggat 420
 t 421

<210> 23000
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 23000

tagctttcag caaattcaaa cgacaataac ttttttactc agatgtttga ttgagtcccg 60
 taatatatcg agacgatcaa aattgaattt tgaggttctg agctaattca aacgataata 120
 agtttttact aagacgtttg attgagtccc gtaatatatc tagacgctcg aaattcaatt 180
 ctgaacctca gagcaaattg aaacgagaat aaatttttac tcggatgtct gattgagtcc 240
 cgtaatatat cgagacgctg taaattgaat gttgaagctc tgaccaaatt caaacgacga 300
 taactttgta ctctgatgtc tgattgagtc ct 332

<210> 23001
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23001

ncaacattca attgccaagg tctcgatata ttacgggtct ctatcanaca ttcaagtaaa 60
 cagttattgg ccgttgaatt tgctcaaagc ttcaacatct catttttgac ggtgctcgat 120
 agaattacag gactcaatct ggacatgccg agacaataat gtaattgtcg tgagaatttg 180

ctgagagcat tgactttcaa tttcgagcgt gtcgatatat taggagactc gatcagacat 240
 tcagtaaaaa gtattgtcgt ttgaatatgc tcagaagctt ccggattcaa tatcgagcgt 300
 ctcgatatat tacgggactc aatcatacat ccgactagaa agtgattgtc ggtaaaa 357

<210> 23002
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 23002

tcaagggatga aacttcctgc ttttattgtt gaccacagag tggtagctgg agatatgtcg 60
 cggtagctcag gagaccttgg ggacgtcaag tgggggtgcta ttgccccaaa ccaagcttga 120
 ccaatcccgga cccaacccgg gcatagtcgg tcagtggagaa cctgtgatgt acctaagcaa 180
 gcgagctgct gccaggcaac agatgaaacg attacgagac tcacaagcat ggacgcttga 240
 ggtggctggc cagctgtgaa acttgattga tatgtgagat atgggtctctg gtaatcgatt 300
 accaagggatg ggtaatcaat tacaaggctt acaatgaaga caggaggcta agatgggtctc 360
 tggaatcgc 369

<210> 23003
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 23003

gactaaaaaa cattattgaa caacataatt aaaacaaaaa cttaatcctc agatccctct 60
 tgtaagacta agatgagatc ctgcttcaat caagtgtctaa ggcaacagtc attttccaat 120
 gctaaaggca cctagctatg cacacagatg gatgatcaga ccaaaagcat acaaaaatta 180
 agcagtgagag gaagcattga acacagagaa cataatcaat aggatat 227

<210> 23004
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23004

tttagcttgt aggattatgg ggtaccgcgtc acatgtggta ctaggtggcg gtcgggcaat 60
 ggtgcaagtc gactatccat attcacaaat cacacataaa tccaccatcc ccagttgccc 120
 accttcaact gagctcacat actcccacgt agcccttata ctcgttcctc tcaacaccgg 180
 gtcccatca atccctccaa gttccataa catctaagca atacaacatc caaacatcat 240
 gaactatcaa aaccaagaaa acagagcaaa ggcagaaaaac tctgccc aaa aacacaaacc 300
 aacaccgccc ctttcccttac tcaaataccc cagtaacatt ctcttttttc caattcggtta 360
 accgttggtat cgactcanaa attttaatga aggtcccaag tacataaat 409

<210> 23005
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23005

ctatgaatat tntacactaa tgtcatgggg acataaaata aatgtctcct caaattaaca 60
 taaaaataag ttaataattc aaagcactaa atcctacaaa aatagtttca aacaaatata 120
 tataaacaaa aaagggatat gattattgca tttacgtagt ctagctaatt tttttgtct 180
 taaccctctg gttcatcagg agaaagagac cataactaat ccaaagttcg gtcaagagat 240
 aagtaaagtc tgacaaagaa ttgttttcat caatgatcga acttgaatag taccacaaaca 300
 atctaaccct aacttcaaca tattaacat ttgtgctcaa tcaattgggt atgtagtcta 360
 gttaatttgt gtgtgctntt gattntagat tgacatggta agataatgat ccaagac 417

<210> 23006
 <211> 399
 <212> DNA
 <213> Glycine max
 <400> 23006

agcttcaccg tatgacgccg atcgaacatt tcctaaccga cgtcatgcaa atttcgttca 60
 gggattgaat tgaaaactcg ttaggcgaca tctgtcgtga agtagcgacc gatatttttc 120
 agccgacatt gcacaattct ttttagaaaa gctcgtggt cgataatggt ctttttacgg 180
 cagagtaagt tttcttgttt tgggtgttgc taaaaaagtt acaatgtact tcggctaggt 240
 ttttcgtgcg agttcaaccg acattttgtt tcggccagga aaacattagc ccacctctgc 300

aaaaaaaata ttgtctaacc gtcttcatgc atatttcatt caacgattga atagaaaact 360
 caatagccga caacgggtcgt gaaatagtcc cgactgata 399

<210> 23007
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23007

tctttgttag acctcgatcg gtcattcttc caggccgtag tcgaccgtca ttnttttcga 60
 tccatttcgg tgaataatat ttttttgccg agatgggcaa aatgccagtt tcggccgaat 120
 aaatgggaaa atgccagttt cggccgaaac gataagtcgg ttgggctcgc acataaaaac 180
 ctagccgacc tacattttta attttttatg caacaccaa acaagaaaac ttctgtgcc 240
 gtaaaanaaa aactactacat gacagcgagc gttttgaaa acaaaattgc gcaacgtcgg 300
 ctgagaaata tcagtcggag ctgtttcacg accgatgtcg gctattgagt tttcaattca 360
 atccgtgaac gatatttgca tgatgtcggg taggaaatgt tcgatcggca tcatcctgtg 420
 aagtttc 427

<210> 23008
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23008

tcaagcttca tgatgatgaa tcaagattga ttcaaggagt tttgatgata acaaagatga 60
 tgacaaaaag ctcaaaagtc aatatcactt catgataaca aagatgatga caaaaagccc 120
 aagagaatga gttcaagaat gagtcaagaa cacttcaaga atcaagtttc aagaatcaag 180
 aatagacaag ttgaagattc aagaatcaag aaaatactca atcaagataa gtactaaaaa 240
 gtttttcana actttgaata gcacatgaat ttttgacaaa accttttacc aaagagtttt 300
 tactctctgg taatcgatta ccagtttatt gtaatcgatt accagtagca aaattgtttt 360
 caaaaagctt tcaactgaat ttacaacatt gtaattaatt tcaaaatggt 410

<210> 23009
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 23009

tattaacaat tccctcccga gtgtctgcct ttatctatga ttgaacttca acaatttacc 60
 ctcatgggct aagattgaac aacaattcaa taacaagtta tatgggtgat gttaaaattt 120
 attacatctc gggtaagtgg taaatttaca cttacgcgat ttacttttat cattttactg 180
 ccaagtaccc tttcaattga atacataaca tattgcttga gtcttttctc ttgagagctc 240
 ccctccttat accggaagct tccccgagcc actttgggtga tcgcagagac tccttttatt 300
 gagcttatgc ttcccccttag ggtctttaac gagaggggga atggacctcc gttggcaaca 360
 atttggctcc tgcggggccag gcagaaggcg ttcatgtcga caccaacttg agtcatgatt 420
 cctataaaat aaca 434

<210> 23010
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23010

agctttcaaa atagacaacc aacattccat tcatttcccc cttaagattt tggatgttga 60
 ttatcaaggc agttataatg ttattcatga tttcacgtag ataaagtcta gcaaattctag 120
 aaacggacat aatgaattga agtcaataat tcactttggt atgaattata taaaaggaaa 180
 aggtaaaaag ccacagctgc atcgcaccag taacacggat atatgctgga aatgagaaat 240
 ggtaactgta gtttggtttt gtataacttc tgtatgaaag aaaagagaga tgagaagaaa 300
 agaaagagaa gtttggtgatg agcgaatgcaa taaagataaa aaaaaggata anaatgctat 360
 anagagtatt gtatgaataa tataaatcgt 390

<210> 23011
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23011

tgtaaagag ctnatatac cataagttct taattattta agggacattn ggataaatac 60
 ttttaattaag cacttattta taagttttta tcaaaattta agttaataat tgtcccccta 120
 actattaaaa taagttataa aaaatcttat aaaaataaca taaataactt ttattagctc 180
 gaataaacct tatttatcaa aatagcttac cttatcagta taagtattaa ttacctctnt 240
 cccatatttt ttaatattha aggttattac acataaacta aanaatgata tattaaatac 300
 atcgatggtt catacttgta ctaatagtaa taatgatatt aattagactc taaaattcta 360
 aagtatcaat tattttgaag agaagatgaa aagttagaat gtctaaaaat aca 413

<210> 23012
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23012

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 acagccttgt ggaggaatct tctggagggc ccaagtgggc ctggttgcta tttacagccc 120
 cttgtttact aaatgcaccc ccctttctat tttttcgtaa ttctttatct gtaacattac 180
 gaaactttac gaatttcgta acgataccta tcttccttcc gcaagggttac gaatccttac 240
 tgaatatgta tttactcttt tttagctttc gaagaagtta cggaaactca ctgactgcgc 300
 aaaaacaccg ttgttcgatt tccgccacat tacgataatt cacgaatcat gcangcctgc 360
 ttcctttgat tgctgagacg tctcgggact tca 393

<210> 23013
 <211> 341
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23013

tggttcgagg tacttaccgc tngaattgcy agtaactttg aagaacgaat gaagaacgcc 60
 gaagaactgc tcaaaccttt gctagattcc tcacggaaaa cgttacggaa acgtttcgga 120
 agcgctcgcg cttagatttt cttcacagaa ataatttttc cgagcatatt caaagagaga 180
 gaagtgccta aggggctgga ccccttcctt cttcctttcc tcccctattt atagcaaaat 240

aggggaggtg gttgccgccc agctcgccca cgcgagcaag gttgcttcct ccagaagcag 300
ccgccttctg gaggaatctt ctggagggcc ctaatgggcc t 341

<210> 23014
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23014

agctttatga tgatgttcca agcaattttg ataatgccaa aagcccaagt gattgattca 60
agacttcaag atcaagcatc aagaatccaa tccaagattc aagattcaag agaagaaatc 120
aagaagcaac aagtcaagac ttcatataga ataagtatta aaagaatttt tcaaaaaccg 180
aatagcacia ttttgtttta caaaagaatt ttctcaaatt ttctaagtta ccagagtgat 240
tactctctgg taattgatta ctagttacta gtttggtttt caaaatgttt tcaaattgatt 300
tgtaacgttc caaaatgatt ntcaaatagt gtaatcgatt acattatatt agtaatcgat 360
tacaagtga tctgaacgtt ggaattcaaa tccaattgtg aagagtcaca 410

<210> 23015
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23015

ttgatgggca aacttggtgg atggacgnaa cacaattttg ctgcgttaga gagagagaga 60
gaatacgctt ctgaatttct actttggctg agtgaggaga gataaaaact ctttggttat 120
aataaaaggg ttttcccttt ttgcattatt ctattcaagc tctgccacat gtccctattt 180
gattggagca aaagggccca ctttctcttt ttgactgtga ccatacctc agcacaaaag 240
tgagaaagat ctgacctttg aaacgctaca atactgcctc agtttgctg ccagttctct 300
gattccagtt tctcgctgt ctctgcgctc gtcggtgcca cgtatccaaa gcatgcaata 360
tatatatcaa aacgc 375

<210> 23016
<211> 411

<212> DNA
<213> Glycine max

<400> 23016

agcttgcaact caagattctc cttgcctggc acttcaaaac cttctggttg ggtcatatag 60
atgtcttctc ctaaattccc atgcaagaat gcagttataa catttaactg ctcaaagtga 120
agattctcta cagctgctat actcagaata actctgatgg tagtcatctt tacaactgga 180
gagaagatct ttgtgaaatc aattccttgt ttctgctgaa accctttcac cacaagtctc 240
tccttgatct ttcttctacc gtcagattct tccttttagcc tatagacca cctattctgt 300
aacgctttct ttcttctgga aaatttagtt aaagaccacg ttttattctt ctgaagggat 360
gtcatctcat ctttcatcgc tagtccccc ttaatagtgt cattccctg t 411

<210> 23017
<211> 413
<212> DNA
<213> Glycine max

<400> 23017

actcagcttg taaagaactt aagataaatc aagaacaagc ttgttttcac atcggtcacg 60
tgtatgatat ccaactcgaca aagttgaagt aaagaaacct tcaatcctat aacgcaacgt 120
ggcggacaaa agtgggcagt taacttgaat gaccattatt gtcaatgcgg aaggaatttt 180
gcgcttcact atccatgttc acacattatt gcagcttggtg gttatgtgag cataaactac 240
taccaatata ttggtggatc gagtgggctc agaataatta aaaagggggg ttgaattaat 300
tattcctaaa catttaccaa ttaaaaaatt actcttttaa agctttttac taaattttaa 360
gagaatgagg agtagaagag aatcttaaca gaaagtaaaa gcggaaatta aat 413

<210> 23018
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23018

acaagcaaac gacacacgcg aaagancaac atcagctgac gcaccaacta caacagcaac 60
tcaaagaaaa cagttgatca gtttcttaac caatcacatg aaaaccgaaa acaccattga 120

tgcagtagcc acgaatgtaa caggatatctg taagaatgat gatgttaata atgattacca 180
 cacttggate attgacactg gggctacttc tcacatccgt tgcctcacag agctgtttaa 240
 ttcatatact accattctga actctcatgt tcttctgctt agtaccacga aagctcaagt 300
 agaagga 307

<210> 23019
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23019

tgccattatn ccttagacnt nctaagnacn tnacgaaact ctgcngatc ctcagaagaa 60
 tgatgatgac tctcctccct attccttttt gcaggaacga ggagaacggg gatagcatta 120
 acagccttgg ccatacatcg gaactataat gactttgcct gcttttcaca agtgctacca 180
 aatgatggct atcttgtaag atggttagaag taggatcaga gtgcattccg ctctcaatg 240
 agacaaagct cctcaactc tgggtcctcc ctagagattg tagaacacag tgaagatgag 300
 agctccact aactacaaca gtgctgggag gattcttaca aactaacgaa ctagactgaa 360
 ctacattgag agtgatgta tctgtactcg ctctcttttt acttaagctg gtccttagac 420
 cacagtgcac gtatatgctg gttactgttc ttttgcctt acatccatgt caatcn 476

<210> 23020
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23020

agcttanagt angtcnaatn ctaaaangac gaaattggaa ttcttaaata tgaagactat 60
 gtcaagaaga tgaagtaagt ctcaaaattt aaatttagtt ttttttaata gaaaatgaca 120
 aacgatttac tgcataagga ccattcatat atcttagcat tatatgtata caaagttact 180
 ttctctaaca taatttcaat agtaattcaa atgatggcat tacatttgaa acataaatct 240
 ctattaaaac aaaaataagg ttcaaatata ttaatgatcc ctttaattga tttttttata 300
 attatctaaa gtttttaaat gattccctca catgttagta ctttaaacaa cctattgttt 360

gtaatttttcg ggataatttt gattgttaaa cttttttat

399

<210> 23021
<211> 308
<212> DNA
<213> Glycine max

<400> 23021

aatcctctct agcacattaa tgtccaaaga tctccatatt atgtagcatt cttaggaata 60
tatctcttta tgattaatac tagaaagtaa gacgtgacga taaaaaatcc tactctggtt 120
atatgcgact aaaagtggat tctaattgcc atcgagactt tagaaggaga tcaacacaca 180
gttcaaccga ctcaagacac aatttttggg tcagtgggtg atacgcaaca cagactactt 240
tgttctatta ggcgttcggt atgcttaagt attaaataga acattgcaca cgtcaaaaac 300
tctactat 308

<210> 23022
<211> 248
<212> DNA
<213> Glycine max

<400> 23022

gctcggaccc gcgatcctct tagtcacctg cggcatgtaa gctactggag gccatgcccc 60
cacaggcaga catcaggaaa gtcccataac aagagacgta acaagctatc cgaaccatgg 120
cccgacacca ctactcatgg ctgaaatgag tgcattgcgt ctacatcata atcatattga 180
agacgagctg atatacgact catgcacaac ccgacacgca caaatgagcg tgacacatca 240
atctactc 248

<210> 23023
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23023

taagcttgnc cttcnctaaa gcanagggga ttattatttt tctgttctcg caacacccaaa 60
tgtctccctt tgtacacttt gtatatccac tttgaaccaa catacttgta cctttatgat 120
gtcatctccc ccatagaact gatattgaca acaacaaaag gtacaaatct cacatttgag 180

aaagtttgaa tagcacaatt atgtaacttc atgctcacgc tccctatgcc ttcaaccttc 240
 attgtttcat cattttctaa catgaaatga ccgaattttc catcggttat taaagtgtca 300
 aacattttctc gatctctaca aatgtgcttt gagacaatag aatccatcac ccattctgtt 360
 ttatcaacct tatcatatgt tgccaaaaac aagtcattctt catcttc 407

<210> 23024
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 23024

tcaagcttgt atagttcccc agtttatggt tattttgtag tgatttttgt aaataaatct 60
 tttggttaat gttgtctcta gaaaatttcc attggattta atcatgaaat atgttcattt 120
 taaggtgaaa aggaggctaa gttttgaatt gcaaaatgta gcagttgggt taagctcaac 180
 agctgggcta agcgcatatc catcgctaag cgagtttta gcgcgcttag tgcagaggat 240
 aatttggcag agcattagca tcaaatccac aactaagtgc cgagatcagt gcgctaagcg 300
 tagcaggtgc cttcagccag gctaagctcg agactagcgc taagcccaat ttcacttact 360
 cgcgctaagc acgaggggtg caatcaatgg gagaggacca cttc 404

<210> 23025
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 23025

atgggacccg ggttgtttaa cttggatatg ggctacgtgg gagtacgtga gctcatatgg 60
 aggtgggcaa caggggatgg tgggtttatg cgcgctttgt ggatgtggaa aacttgttgt 120
 gcaccatcgc ccgaccgcca cctagtacca catgtgatgg gtaccccata atcctacaag 180
 ctcgagatga agaagtgtag aaaggtgaaa cttcctgctt ttattcattg accacagagt 240
 ggtacctgga gatatgtcgc gggggtcagg agaccttggg gatgtcatgt ggggtgctat 300
 tgccaaaaac caagcttgac caatcccgac ccaaccggg catagtcggt cagtgagaac 360
 ctgtgatgta cctaaacagg cgagcttctg gcagtcaac 399

<210> 23026
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23026

agcttggatt ttcttttagt aaggaatcta tccttcctaa gatagagcca aacccaatcc 60
 ccctcattaa aaactagctc ctttcttcct ctattgccct tagttgaata cacctttggt 120
 tgggttctcta tgtgggtctt aaccctctca tgcaactttt ttacaaactc tgacctagat 180
 tcccccttctt catgtataaa aagaagtgtc aagtgggagg ggaatgaggt ctaggggtgt 240
 taggggattg aacctataga caacctcaaa aggggattac ttagttgttc tatgaacccc 300
 cctgttggtan gcaaattcta catgaggaag atactcatcc caagacttat ggttgccttt 360
 cagaagagcc cttaaaaggg tggataaaga cctattcact acctctg 407

<210> 23027
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 23027

cttggagaga acacaaagtg gtaggcctat ataagtctag tttagtata ggggaaagga 60
 gtaaacgtcc aatgagtttg ataaattttg cgaagaagaa ggtgtcaaca ggcagttgac 120
 tgctggctat atacctcaac aaaaagggtgt attcgaaaat aagaatcaaa ccgttatgga 180
 gatgactagg tccatgcttt ttgagaaagg aataccaaaa taattcttgt ccgaggctgt 240
 taatatagcc ttgtacctat tgaatagatg cccaacaaaa gtggtacgga atatgacacc 300
 atttgaagca tggagtggaa gtgttgatgg attggcaagt gcaccaattt gtaagaaatc 360
 gttggctaca cgaatcattg aggtggggag gactataaga catgactgat gggatgga 418

<210> 23028
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 23028

tttagctgat catcgagttc atagaacatc agagagtctt actttgaaga tacacaggtc 60

acttgatcat tataaagagg ctgatattgt ggaagcatgt tgaacggagt aacagagatg 120
 ctaatgccag tcttttatca catgtgatta tggtgaaaat tgtcgatatt gatgaacatg 180
 ttacctgtga ccatagagag gaaatgcatg atccatcagt gggagatgga tgttatcccc 240
 acgaaaaaga ggatatgaat agtatgacta ccaatcttat caaggatgtg atgagcactc 300
 ttggaactag ctatgatgac aataaaactg gaaatgcaga atgtaacgta ctcatgtgaa 360
 tgtacatggg actatgtatt tctttgagat gtcatgatat catg 404

<210> 23029
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 23029
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 cccaatagac gcaccaccac ctgtggagac cttaacagca tccactccat ctccatctcc 120
 tcccaaacca ccaccaacaa cagcaccac gttagctcgg cctcccttgg ctgtttccca 180
 ccatcccgaa ctcaaaatag tcgcaccat ggctctgcta ccgcttttac gctttcattc 240
 gaccaaccgc cacatctagc ttagttgtct gttgcctcca tcaacttcga ccgcccaccg 300
 ttgatactgt cacggccatt gccacgaaat cccttacggc aatgacacca tcctgctcag 360
 caacgctgcc atcaagcatc agattcatct gcgctcag 398

<210> 23030
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 23030
 ttttcatgca agcttgtgcc cgaaacacta catcatccaa actgcagata ataactcaag 60
 ttcttgaggc ttgtcattgc atgtataccg tacaaaacct gaatccaaaa tttccttctt 120
 aggtagcaac tgctgagtat cactcacata agaactgctg ccatgagtct ttatctgcat 180
 cctttttctt tatctgtttt tctgatgag cttaaaagta tccatctaac caagaaccat 240
 tgaaataata aacaatgggc agataaatta ataaattagg atccaatatg aacagcagtt 300
 aacggatggg atgatattgg gctgatattc tctttggggg caatttgccg aggatgtaga 360

ggactaaagc tgaaggtagg acctcaacca gctgtatttt gaaaagtg

408

<210> 23031
<211> 332
<212> DNA
<213> Glycine max

<400> 23031

ggacctaaaa actcaagcta gcggtaaata ggaacgcaac atctccctgc atactataga 60
cagacagggga aatggaggct gcaaacttag taccgcaatt ccttacacca aattccacac 120
ttcgatatac cagccacttg ggaatgactt tgtaaagcaa gcaacgctta ggacaataaa 180
gagagtgact ctggtggcac catttggggc gtgctttgat tcaagaacca ttggcaagac 240
cgggtactgga cccaatgtgc cgacaattga tctgagtctc aaggggggag ttcaatggag 300
aatctatggg gccaatcaa tgggtcaaggt tc 332

<210> 23032
<211> 400
<212> DNA
<213> Glycine max

<400> 23032

agcttccaca accccaacta tagtcctagt aagctccgct gcctgtctct cggtataatg 60
cccacgctga ataatcctat cgaaaagctc tccacctgca catagttcca tcacaacgtg 120
gacagccatg gcctcctcat atgcaccctt gatggatata acattaggat gccagccaa 180
gtggtgcatt atctgaattt ctcttctcac atcctcgaca tcatcatcgg tgacgagctt 240
cctctttgca atagatttac aggcatactc ctgtcctgtt gccttctcca cacacaagaa 300
tgttgtcccg aactgaccct gtccaagttt tctccaaga gtgaagaact ctttgaaatt 360
atctgtctct ctttgcaaca cagaatcaac acgaagccct 400

<210> 23033
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23033

acagcttact aaaacaggag cagacctcnn ctttatttta tttttataga tcagnaggtg 60

gagctcttca atactccact ataaccagac ctgaactaag ttttgctgta aacaaagtct 120
 ggcaattcat ggccaaccct cttgaatctc actggacagc agtgaaaaca attctcaggt 180
 atctcaaagg ctctttacac catggcctac ttctcaaagc tgccactcct cccattccca 240
 ttaaaggcct ttgtgatgca gactgggtgt ctgaccctga tgatcacaga tctacttcag 300
 gagctgctat ttatttttgg cctaattctta tatcttgggt gtctaagaaa caacagattg 360
 ttgcaagatc aagtactgag gctgagtatc gaagcccagc acaagccttc t 411

<210> 23034
 <211> 412
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23034

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 tgagggtggat ocaattgctc cgatcattca ttagcatatt catgttttgg tggcatactc 120
 accattgttt gtttcttttag ggaactcaca ataactaaga aagcgcagag gcacccctat 180
 aacacttgat ccagaaaaat ggataatgaa gagggagtgc aagaacagat gaaggccgac 240
 ctatcagcct taaaagatca aatggcttct atcacggagg ccatgctaaa gcttcagaaa 300
 actatagagg ataatgccat ggcgaccgcc tccaatacag ctagggaagc ggaaccggtg 360
 ctacagccag caataaactt gggccgagat agaaacacga cgggtgttcgg tc 412

<210> 23035
 <211> 331
 <212> DNA
 <213> Glycine max
 <400> 23035

gaaaaaccct gatattacca tatccttaag gaattttgga gctttggaat tggtttggga 60
 ataagtgtgg ggggtttttg tttcattgga caacttgatt tgttggctat gcttcatgat 120
 gtattttggg ccatacttga tgtacattgt atattgggta aatgttggac atgctgaatg 180
 aaatgttggt tctcaaagga taaagagcaa aaaaaaatt cgaaaaatga aaaagaaaag 240
 caataaagtt gagtgaataa gatcttatat ggacaagaat gatagactct tgggtctact 300

ttcatgttaa ttttatctta ctcttttatt t

331

<210> 23036
<211> 407
<212> DNA
<213> Glycine max

<400> 23036

agcttgcaagt acttgctcta aagctcttct tctactggga cagtgggtgc ctgaactctc 60
attctccttc tccgagagta tctgagctt gcttacgggc gtgcacattg cggatgttcc 120
ctagccatct gaagctatgt aacagaatac atgtagagag aagcttacat acatcttcgc 180
catgggaacc aactgaattc taaggtgagg ccctaaataa ttattctcca tctctctgat 240
ctgtggatga acaattatgc cagatgaatg atacttctac atcctataag acaatatact 300
ttgataggca tctggcacia actcgaaatg acgtatgttt gagcttaaca tacattatag 360
aatgcgacta tacgattagt gaggaccttg atactgatga tagagat 407

<210> 23037
<211> 227
<212> DNA
<213> Glycine max

<400> 23037

agcttctatg taggcttgat ctttgggctt caataaggtc cttcaatgct gatttttcag 60
ccatggagtt gcagcggaag ataaaggaga agaggtgagg ggaggcgcca tccactagag 120
aataagctat ggaaggagaa gcttcaccac taagagagtg ccttggataa gaagcttaga 180
gaggaagctt caatggagga ggagaatgag agggaggag ggggggg 227

<210> 23038
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23038

tcaacaccaa agccctgagc caaaccttca gccaaacttg tatgtttttt actcgcacac 60
aatcctaact cccaaaatgc atgaacatca accatgaagg cacacaactc atgtgatcac 120
cctcaacacc cacacattcc tagacaagac catccacgac atcaatgacc cacaaattgc 180

taatcctaac ccttttgtgg taaagtgagg cataacgtgt gtaagaagaa gacatagatc 240
 atttttgtga tgagggtgag gcaaggctga ttaatttggc ctttctaaat tagcaaaatg 300
 acacaagttt ttgtgttaca tcaattttta tttaaaacct tagataaatt ataattggaa 360
 ttgctaattt cattntacat tgataattaa ttaccagaga acacttctta tctaaaagtt 420
 tgacttagtc ttggagcata 440

<210> 23039
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23039

agctttccat attcctctag aacaactcaa tttcatttct gaaactctag atacagggtc 60
 tagaatgaac tcatectatt gatgaaattt cattttgagt gtgttgcatc aatgttggtc 120
 ttcatgtcat gttcattggg cagatctctg caatattttt cttgtcctct atcgattact 180
 tcttatggct ttgaattttc tcttaatcta ttgagcatgt tgacttcttc attgcagtac 240
 acaaccaaag gcaactetaag tcttcttttg agatttaaac cctatcatcc tttttgagtg 300
 actcatgaga acctcacgtt tactttaatn tgggtgctctc tatagaactt gccttttttc 360
 tgaatacact taaaccaact ca 382

<210> 23040
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23040

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 agaatgcgaa tgtatgtata catgattttg atgatgccaa agaaaaatca aacaagggtg 120
 cttcaaata taagcatttg cttcaagaat aattcaagag tgcttcaaca acaaagcct 180
 tgtttcaaga ttactaaag accaagcctt gccttaaaac aaagtgcctt caagacatgc 240
 aaggctctgg taatcaatta ccaggaagtg taatcgatta ccagaagaca gggttgagaa 300
 atagctgttg aaaaagggtt tgaatttgaa ttttcaacat gtaatcgatt accatatgtc 360

tgtaatcgat taccagcaac gaaactttgg aaattcaaat tcaaaagtca taaccctctc 420
 aaatataact gtgtaatcg 439

<210> 23041
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23041

taagcttggtg gtcaatatac ttatgaatca tagctacaac cttatgatta aggagctctt 60
 attcattgtc cttcgtcccc tccgacttat tatcgtgggt gattagctcg tgcaaactct 120
 tacagcgtag atggatcatcc atcattgggt tccaatatga ataacttttt gcggttagct 180
 cgaacatatc tacatcatga gtgacaactc cctcaatatt gaatcacaca ggatagtagc 240
 tcccctcaaa ccagtcgagc tttgatacta cttttaggan acaccagtac tatttcctt 300
 tctgtagttt caaaatagga acttagcata aaacaaaaat agaatagaat gtaaacgaat 360
 gacacactaa attttaacgt ggagaaccct ttccgtgtg 399

<210> 23042
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 23042

attcaagaga agttgatttc aagattctcg ataagacgtc aggaagaatc aagattctag 60
 agatgatgaa ttcaggattc gagagaagaa atcaggaggg aacaagtcga gacttcccaa 120
 ggataggttt gaaaagggat tttcaagaga ccaaacatag catagtgtg gtatacaaaa 180
 gagttttctc gaaattttct aagggtaccag agtatttact ctctgggatc gatta 235

<210> 23043
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23043

agctttattt ttaaaatttg gtagagcagt tcttcaaata aagtttgta tattctttat 60

aaactctagc tgaaattttt gggaattcct tatttcactt tagattttta tttcacaagt 120
agagtaaaag tagtacgcag gtgattaatc agtggttaaca agtatgatat ttatagaatg 180
tgatttggag agaaagctaa gtatgggaaa agaggagtga atcttggtcg ccttgtatga 240
acagttaagc ttaatgcac c aagtcacgtg actccaaagt attgtgtcta tcatttttaa 300
aaataactag gttatgttga gaactaatat tagaggatcc tagttccttc actctgttnt 360
ttggcatatt gtctgggtcaa ctgaagggat ttatatcacc t 401

<210> 23044
<211> 342
<212> DNA
<213> Glycine max

<400> 23044

tatcgagcaa gcctctccct ccaattaaca ttcgaagtct cttcttaggg tttctacgaa 60
tattttctcg tgattgtgaa ttttagatcc gcggaagact tgtttaattc tagaggtttt 120
tgcgacattg cttggatggg taggttcac c tgattttaag agtgtgcttt agacttttag 180
aggataaaat atggaattat ggttggttagt tttaaagttc atgggttgaga ttttaatagt 240
tccatgattt ggtatgtgtg tgtgtgcata ttattctatt acgattttta atgcggttat 300
aacttccttc ttttaagtga ttccatactt ttgggttatat tt 342

<210> 23045
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23045

tanagcttta taatcaaaca aaccnngcg gtctgggtcc ctcaactgta ctgcattccc 60
ctcccttcga ttttgtttta ctccgattct acctattgct agaaaaata tcagggtctt 120
tccactgggtg atgatcatgg aagcccaaag acacaatgaa tccgaggatc cactccaagc 180
aaggctaaaa ttgagtgatg gtcagcaat tcaatgttgt gcgaatgggc atctttatct 240
tcaatcctat tttcaaaata ggttatggat ccatttccta atttataaat tcaatcatag 300
attgggggga tgatattcca acctaatng cgatctcagt gaattcaggg atcaattcaa 360

tggaagtaac tctaattggcg ttgattgaac ttacataaca tgatca 406

<210> 23046
<211> 408
<212> DNA
<213> Glycine max

<400> 23046

ttagcttcct catgaactca tcaccaaagt cttcaaaatc aaaagagatg gtaagggggc 60
tactgggagg tgtagaagag cgacaaggct tccatccata tgctttcttg taaaagaagt 120
ctccaattaa agaccattta tgagccctat tcttagcaaa ggaatgatcc ttcaaggctt 180
ctctagtttt gataagttct ttcttatgta gttgaacata gttgcgagaa ggtgaaggat 240
cgtacacttg aacaaccatg gaactagacg caacatcaat gtctaagtca acttctttaa 300
gtgggatcaa catgatgaat gaaaaagaat tgagaaaaag ggcaatatca ccagaaaaca 360
aaacgtgtga tcaacaatg catagaaatc cctttgtcat gggtagat 408

<210> 23047
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23047

agcttgacaa aatctgtgtt gccgtgcccc gaatgtaggt cgtgcataaa cagagggaaa 60
agatagaggc acaagagcat caaagtgctc aaattaattc agagtatgca gatgcgaaaa 120
ggcttaactg cagctcacta gtaatagatc tgcagtttac atccccacct atacctgtcg 180
atattcctga gagaaataga agtcaaaata aggaagaact ggttgtatta gcttccaatc 240
tggagtcaca tgtttcccaa gaaggacatg ttgggagtat tactgatcat agcttgggtg 300
tnagtactaa tgctgaggct ggtactgtca tggtaaataa cacatgggtg aagaatatca 360
tggggaaagc aacacgagtg catctcaata ctaaactgc tgggtggagtg cctctcaata 420
gcatgggg 428

<210> 23048
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23048

tttgctttgt tatcttgaga taataggtgg tcacccatc ttgaagttga tggtgcaaca 60
tattttctttg gcctaacagg aactccaata tttttacagc ttctaattgtt atgattgggtt 120
tggccatacc ttccacatgt aaactaagcc aatttcctct ttagcttatg tcttgtgaca 180
ttgtcccatc ctacagatct ccttccattt ttctttggcc ttctcttttg gaccctttta 240
tgtggtggaa caggggtgtg atactgtgtc tgggccaat attgtggtcc ttggagtggg 300
tcaataaaat gctggtatgt cttattataa gcttctattg ataactactc atgacacatg 360
tcctcagngc ttcttctttt gtgagtta 388

<210> 23049
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23049

tgctaacca tggaagctcc taatatctcc ctcaactttt gtggtgggcc attcttggat 60
ggccttgatt ttctcaaggt ccaattggac cccatttctt ccagctacaa aacctaagaa 120
aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttccc 180
aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tattgtacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatct ctagccattc 360
atacaaacca aacttgggtc tgaaagcggg tttccactca tcactctctn tcactttgat 420
atggtgataa ccactt 436

<210> 23050
<211> 395
<212> DNA
<213> Glycine max

<400> 23050

ttgtcattct agctttgagc caaaatcctg actcaccata aaccttacc ttggaagcaa 60
aaaaaggaaa gaaggaaagg aaatttccaa tcaaagagaa agcaaaaaag gaaggaaagg 120

aaattcccaa tcaaagagtg ggagaaagag aaaaaaataa acgaaaggaa attcccaatc 180
aaagagtggg agaaagaaaa aagaaaagat tgaatattcc caaccaaaga atgggagaaa 240
gtaaaaaaga aggaaaccat gacctataag tgggtcttct cctttgatta ccaacaaaaa 300
tcctgtgctc tagcgacttt tcgccccgca ctaaacaaaa acagataagg aataaagcca 360
accaaataatc aaaagccaaa aacacacata agcca 395

<210> 23051
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23051

tcaagcttat taagtatatg tatataaatg tattaacata acattaaaat actaacataa 60
ttatatatat aaattatatt aatgtaaaaa aaattaatat atatatatat atatatatat 120
atatatatat atatatatat atatataaca gacatataaa ttcagtactt ttgtgcttac 180
gagtcaaagt ttttatacaa gaaagtcgaa gtatatatct tatttgatac aaactctntt 240
ttttttttgc agatccattg taataatgag aaaaatttcg gcatatccaa aaaaccggtc 300
aataatatca aaattagata aattggccca caccggctta caaatgggat ggccaaatac 360
attacaaaat tntgcttttcg ccaatgatct 390

<210> 23052
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23052

agcttgcaat caagttcaaa caaatTTTTT gtangtttat atcggaacc cggcgcatgg 60
tgtccataag agcaacagct tctgcctctt ggataggagg attacctata tggatagaga 120
ttgtagcagc gatgaactct tcatattaat tgcaatgcat gttacagtac cgaacttgca 180
tgattccaca aacaaagatg cgccaatggt tcttcttttc atcagccca tttcaagctc 240
tgaccattgt gatacaacac tatcatctgg tgctctcggc tgaatgcaat ggccttgggg 300
cttgatccga ctgccctcca ttggtggata taatccctag tagaattgaa cgatatggcg 360

attggattct gcacatcatc ctacactctg aca

393

<210> 23053
<211> 411
<212> DNA
<213> Glycine max

<400> 23053

agctttgatg gtgcgcagcc caccatcttt tcatagtaaa gtaccgataa tgtgtctacc 60
atcacgatta togtctccct ttccattatt ggggggtgcta cttgagttgc caagtctctc 120
catctttggg cgtattcttc gaaagattcg tgccccctt tttgcacact tttttagt 180
gcatcctatc cggagccata tcaaaattgt actgacactg cctaataag gcaaccatta 240
ggtccttcca agaatggact caagaagggt cctaagtcag tataaccagg gacagttgtc 300
ctagtaagac tttctcagga aaaatgtatc agcagtttct catcttttgc gtatgcccc 360
atcttctgac agtacatctt tagatggttc ttggagcgag tagtccccct a 411

<210> 23054
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23054

agtgaccatt tgaataactc aagagcttcc attgctcaat tgtgtgcgtc tcgaacatta 60
tgcgcccttaa tcggacctcc gaggtaaaag gtatgaccat ttgaataact caagagcttc 120
cattgttcaa tttcgagcgt ctcgatatct tatgtgcctg aatctgacct ccgtgtgaaa 180
agatatgacc atttgaattt ctcgagagct tccgttggtc aatttcgagc ggctcgatat 240
cttatgcgcc tgaatcggac ctccgagtga aaagttatga ccatttgaat aactcaagag 300
cttccattga tcaattacga gcgtctcaat atattatgtg cctgaatcgg acctgcgagt 360
gaaaagttat gaccatatga attgctcaag agcttccatt gtccaatntc gagcgtctcg 420
atatataatg cgcttga 437

<210> 23055
<211> 412
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23055

agcttcattt tgaatcaaga ttgattcaaa gaagttttga tgataacaaa ggtgatgaca 60
aaaagctcaa aggtcaagaa cacttcataa taacaaagat gatgatctca agaatcaaag 120
aatgagttca agatgtttcaa gattgaatca agaacacttc aacgttcaaa gagaaaattt 180
gatttcaaga atcaagaatc aagtttcaag attcaagtcc caagaatcaa gatcaagatt 240
caagactcaa gattcaagaa tcaagagaag acttaatcaa gataagtatg aaaaagtttt 300
ttcaaaaact gagtagcaca tnggattttc ttanaatctt tntaccaaag agtttttact 360
ctctggtaat tgattaccag tagcaaaatg gttttcaaaa agttttcaac tg 412

<210> 23056

<211> 527

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23056

cagcagggaa cgaaggcgcg cgggcaaggg gaggcaacgg agggacgaca nccccaggg 60
gagcgtgaat gagccatgag accgngcatc tcaaaccaag ccgcccgagc aaacaccgca 120
ggaaaggaga agattagggc gancaagcga ccaacggcga ggatagggng gaaccaagct 180
caagcggcga caagaaagtg catcangaca aggcgaaaga aggaaggaac ccgcctgcaa 240
aaaagaggca aaagaagaag cgagacacag cactgctgcg gcgacggcca aacaaaagga 300
ggaaaatgga cgaccagcg acgcccgaga gcacctggac aaagaaggca gggaccaagt 360
ggaaaaccga aattgagaca accccataac gggcggagaa aggcgcaaca ctacaactgc 420
acagcaatcg cgtgcaacca agccggacaa aggtagcagt ggggggtgca tacctgccgt 480
gaaacaaaac aggaaatgga ccccgacag ggccaaaaaa agaaagg 527

<210> 23057

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23057

agcttctctt ttggtttggg tattnccagt ttcttgaaaa tatctaaaaa tctcaccaaa 60
 tgacagtcct tctccttctt ggaagggtacc acaggatatg gtactttcat actttcggtc 120
 acaactttat cacttcaact cttccttctt ttccattttt ttcattcttt tcaatttttt 180
 tattttcttt ttctttttct acttcttttt ctttttcttg gtcgttaaata tcttttttct 240
 tgaccattat ttgtttcttt ntttcctgat tgctttcacc tctcacatca tttttcttgt 300
 catcagtacc tttcttttca gcagctttct tcttatgcac aacactctcc tcatcctcat 360
 cctccacaaa ccttntactc cttatcatca cagctttgta aattaaac 408

<210> 23058
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23058

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 agtctagagc aagtagatac tctttttgat atttcgcaa taatgttgtc cacggagagg 120
 tctttntgag ttctccatc tctgggagat ctttaagagg tgtgatagtg atttctttgc 180
 tttgttctag ctcttcaact ttagtttcat cttcaagtgc aatatactta tcttgaaaac 240
 ctatatcttc atcttccaaa gaaatntctt gaacaataga gttagtttca tcacacacaa 300
 catgtatagg ttcttccaca cacaagttc tctattataa catctatatg cnttgctntg 360
 caatgaataa ccaagaaaaa tagcctcatc gtcttttagca tcaaatttgt tgagatatc 420
 ttt 423

<210> 23059
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23059

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 ttcaagggtt gagaagtga aatgagaatg gggtaaattt ggagcaaact ttcacctcaa 120
 acaagtctat atcatcaatc taaacttgct caaactggtt ttacgcctaa aattccaccg 180

aatcaaaatt tgactcctca acacccaatt tttaccctag aaatggttct tgccttcact 240
 ttggtcattt gttttcctct cttgcacagc ccaagctttc tcataagtcc taaatgacat 300
 ttcaaactag gattaactca ttntaacctc catttaccac tgaatccaga tttggccttc 360
 caaacctca aagcatcaca ctnttccact cacaggacta cattctca 408

<210> 23060
 <211> 263
 <212> DNA
 <213> Glycine max

<400> 23060

accagtcttt gaccatgaa caataactag tagaggactt cgcacaagcc tacaccgaga 60
 aggaagcaag agggaggggtg attgatgcat tgcacaaaga agcgaccatg tggatggata 120
 ggttcgcctt gaccttaaatt ggaagtcaag acctcccgcg actactagcc aaagcaaagg 180
 ccatcgctga agtgtgttca gcccagagg aaattcacgg gctaataat tactgtcaac 240
 atatgataga attaatgggc cat 263

<210> 23061
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23061

agcttgctgc cacgggtttt tccgactatg ctcttgctgtg gtggaacaag ctacaaaagg 60
 agagagcaag aaatgaagag ccaatgggtg atacatggac agagatgaaa aagatcatga 120
 ggaagcggta tgtgccggt agttactcaa gggacttgaa attcaagctc caaaaactaa 180
 cccaaggcaa caagggggta actatggctc gatttcttaa tggatgtgct catgattcaa 240
 gcaaattattg aagaagatga ggaggtaact atggctcgat ttcttaatgg tttgactaat 300
 gatatcccgat gatattgtga gctgcaggaa gttgttgaaa tggatgattt gcttcacaaa 360
 gcaatccaag tggagcaa 378

<210> 23062
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 23062

tctcgatatg ttatgctgtct gaatcggaca tgcgagttaa aattatgacc attttaattt 60
cccgagagct tccgttggtc aatttctagc atctcgatac gctatgtgcc tgaatcggac 120
atgcgagtga aaagttatga ccatttgaat ttctcgagag cttccgttgt taaatttcta 180
gcgtctcgat acgctatgcg cctacatcga acatgcgagt gaaaagttat gaccatttta 240
atttctcgag agattccgat ggtcaatttc gagcgtctcg atatgttatg tgctgaatc 300
ggacatgcgc atgaaaagtt atgaaccatt taatttctcg ggagcatctg ttgttcaatt 360
tctagcgtct cgatactcta tgcgcctgaa tcggacatgc gagtgaaaag tataaccatt 420
tgaatttctc gagagcttc 439

<210> 23063

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23063

taggttgatg tagtaatccc atactcgtac ccgtacctga cttttgatta ttggggaaaa 60
ctcaaaccgc aaccatact cgatcaactt ggggtattacc cgtcaaagtc ggaacgaata 120
cccacgggta tgggttttct tgcaatgtct aagggggaga gaggaaagag aaggaagaag 180
aaggtggagg ggaggggaag aaggaaagtt aggagagaag gaggggaaaa aaaagaaaga 240
aaaggaaaaa gaaggtagtgc tacacaatgc cgaanaagaa agaaaaaaga agaaaaaagg 300
aagcttaacg gtgggggttag gggagggaga aagataaaaa aaatatttaa aagtgaatc 360
tacgtgagac ctacaaaaaa ttgtttaaga tctcaaatg agatctacta 410

<210> 23064

<211> 373

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23064

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ttggtttgaa ttcatacagg gttgatcgag actgacttat ttgtaatgaa atggaattta 120

aatttgtaat taagaacctg ggtagaaaaga gtgaaagata gatctcacta aagtgggtgag 180
 taattntacc atcaaattta atcattcata aaatcgatat atattaattt cataactaata 240
 atataaagaa aaatatcact catttatgaa taatcacact taactaagaa gtgtcaaaat 300
 tatagcatta attcaaataa aaaaaataat taaggaatgt aagtatanat tattaaatta 360
 aaaacttcat atg 373

<210> 23065
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23065

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 gttgaataat gataagcttt atgatgatat cctattcaaa tatttgaaaa caagaaacaa 120
 atgaaaacaa ggtgatattt ttataataat taataaaaaa aaaagtgttc tgattttcga 180
 ttcaaacagg aaaatatctt acagcagata atgaaaaatt ataacaagca ggtaaattcca 240
 tgccttgatga aaaaccatca ctttgctgcg caatctttct ttttcacat ggccttctat 300
 agcaagcagc aaggatgttg aaggaggaaa agcgaattgt gaggttaacc cgaaagaata 360
 aagtgactgg ttaatgaaat gcttcgcaac atccttgact gtggagag 408

<210> 23066
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23066

taactgtaaa agaccatgga tgacanctgt aaagaccttt tgaaatttcc tgctcatgaa 60
 atcactaaaa tctttaaagc catttcatgc atatacttgg ggcgaagtct ctttgataaa 120
 tctggcataa attaaaaaaa aaatgaaaga aaagggtagt tcccaatgca acattccaat 180
 gactttttct tttcaaaata caaatggaca aaaatgccct agtgagttag cctaagcaga 240
 gttcagtccc caccacaagg cccttcattt ccctccaaaa atttgttttt cgctaacaaa 300
 ataatagaatt gccttccaat tcaatcacct gagttgtgga gtcagtaagt gcttcgagca 360

actacctttg ctttgtttaa ttgaattttt ttt

393

<210> 23067
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23067

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tgcaaaactg gtcatgcatg cacctatgcg gacactcaag tgtcaaattt ttatgggtcat 180
gtgatgctag ggcttangat ttatttcctc tattttaaat caacccaatg tttccaaaat 240
atgttctttt atcaatttgt gcattcattc gagtccattt cgggcgtccg gngaaatttc 300
acagcattca cccttcangt gtagacancg tttttttctc ttcaaaaatc ggtcatgatn 360
caatgaattt tttttcgaag aagagttgga aatcatctct tttcaaa 407

<210> 23068
<211> 340
<212> DNA
<213> Glycine max

<400> 23068

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ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacatg 180
tgacgtacct aagcaggcga gtcctggca gtcaacagat aaaaggaaga caagaccaca 240
gagcaaggaa gcttgtgggtg gctggccaac tgtgaatttt gtgtaatatg tggattgtgg 300
cctctggtaa tcgattacca aggtgtgggtc atcgattaca 340

<210> 23069
<211> 407
<212> DNA
<213> Glycine max

<400> 23069

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 aagaaaagtc aaacgacaat aaattttgac tcggatgtcc gattgagtct cgtaatatac 180
 caagaccctc gtaattgaaa acagaacctc tgagtaaatt caaacgacaa taacttttca 240
 ctcggatttc cgattgagtc ccataggata tcgagacgct cgtaatttaa aacggaagct 300
 ctgagaaaaa tcaaacgaca ataactttta actcggatct ctgatcgagc cctttaatat 360
 atcaagacgc tcgaaattga aaaccgaagc tctaagagaa gtcaaac 407

<210> 23070
 <211> 460
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23070

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 tacagcctcc gagcccattt cgagcgctcg gatataattat agggctcaat cggacatcct 180
 atgcaccagt cattgaccgc tgacctttct cagagcttgc gctttcactt accagcgtct 240
 cgatatatta caggactcaa gctgacatac gagtcaaagc ttattgccac ttgactgac 300
 ttagagcttc cgttgatcca ttacgagcgt ctgatctac tacaaggccc aatcggacct 360
 cctagcttaa atgtattgtc ggctgactct actgaaagct ccgcttaaca ttccagcgt 420
 cgattattac aggcggcccc ggacatcgag ccaaagggtt 460

<210> 23071
 <211> 391
 <212> DNA
 <213> Glycine max
 <400> 23071

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 gaatatacct ttcttgatc gagaaacctc catgcccctaaa aaatacttca agtcacccaa 120
 atatttaac tgaatcatta ccagttatga ggatgtcatc aacatagatc aataaggcag 180
 taaatgattt gcctttctta catgtaaaca acgaataatc tgcttttgat tgaataaatc 240

cagcaccttg aatagttgta aagaacttgg cagaccattg gcgagaggct tgttttaatc 300
catataaggg attgttgagg tgacacacaa tgttctcccg ctgtcgtga acactaggag 360
gaagagacat ataaatttct tcagaaagat c 391

<210> 23072
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23072

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atagggtgaa atatattttc aatccccaca ttccttcggg tactttcaga gaaagttagt 120
tttagtcctt gaacttcaac tttgatcaat ttgatacccc tgaactttac aaaaggcatt 180
ggtttttctc ctcccaaagg tgaaatctgt gggacaaaaa ccaactgttgt tctaagattc 240
atgaaccaa ttgatcaaag tgaaagtacg gaaactaata cgagactaaa aacatatttg 300
tcccctcaac ttggtttgag ttctagaact ttgatcaatt cgggtccccta aactttacaa 360
aaaccattgt tgtttcctaa acttcagggg ccgaattgat caaaatcaaa gtacagagac 420
taatac 426

<210> 23073
<211> 398
<212> DNA
<213> Glycine max
<400> 23073

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aacaattgct tgaccacaac agcgtggag gcggaaggg acaatgggtct ttcaaataaa 120
cctgttgtag atgaacaaac attatatcat gcgctgaccg tgccaaacga accagcgaaa 180
tcattgcata attgtttatac taactatatt caatgtacct gaacaaaatg atttccaaac 240
acgtgaccga cacatatgat gcggtggcca gaagagtcag gtggtggttg acttctaaga 300
gggaaaaatg tcatgctttt ttgttgggac aacgatacaa ggattatgtt ataccatgaa 360
gcaatcacat atcacatgtc cgttatatcc atccactt 398

<210> 23074
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 23074

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 tgctttcata ataaatctta taagcgctaa cctgaaggca ctatagctga tttgatgaac 120
 atgaagaaaa tgggtgaaga attaacaata gacttcatag aaaggttcat aacagctgga 180
 agtcattggt cagtacaatt tccagaagta gagtgtgcag acatggcaac tatgaatatg 240
 cattctaggg tgaaagaaaa attagtggct caagagtata gcgaccttat ccagctagct 300
 tgcaaggcta atcatataga gcagcgtata cat 333

<210> 23075
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 23075

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 gttgatgatc ggccgtgaat cttoegctaa ttactcacgg aaacgttaca gaggcgcctc 120
 cgctcggatt gtattcatgg aaataattat gctcatcaca ttcaagagag ggagaagagc 180
 ctaaggggct gaacccttct cttctgcact gtttgcccta tatatagcgg aataagggag 240
 aagctggccg cccagatggc ccaagcgagc aaggttgctt gctccagata gaacggccca 300
 agtgggcctg gctgctattg acacacccac ttttactaa 339

<210> 23076
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23076

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 ttgatgaatg agagtcttgt gagacatact tcaaagttcc acttctctcc ctcttttatt 120
 ccttcaatth cgtgctcccc cctctctctt tctctccctc tttcttttcc tccattgaag 180

catccttcca agcttcttat ccaaggttca tcttgggtgt gaagtcctt cttccatggc 240
 ttattcccta gtggatggcg cctcctctca cctcttttcc tttgtcttcc gctgcatctc 300
 catggtggaa aatcaccatt aaaggacctc attgaagctc anagatccag cttccataga 360
 agccccacaa gcaagcttcc atcacataag tctatggcac tttcgtatg 409

<210> 23077
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23077

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 ccatgctgtg attgtcatcc ctacatggcc aaatttccca ccaactcaac aatgtcaaca 180
 ctcagccaat atcagttatt ctcatctacc accaccctac cagtcaagaa caccatca 240
 tccacaaagg ccaccctaa atcagccaca aagcccgctt gccgcacatc cgatatcaaa 300
 caccaccctt aacacanacc anaacactaa ctagggtatg aattntccag aanaaaagcc 360
 tgtagaattc acttcaattc cgggtgtcga tgctaatttg ctcccatatc tactcaataa 420
 tgcaatggta g 431

<210> 23078
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 23078

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 tacttgcaag agcaaactt gccaaaacta tcaactactta attttgcagt tccagacagg 180
 gtgttgatta gattcattat aatatttatg atttggaaact tgaaacctac ttcagaaatg 240
 aataaacaat tctgtatttg aaaatatctc ttttgaaaag ctttacttta tcacattaat 300
 aaattcatgc acaccaaga aaaaacagaa tcacgctaatt gttattcaag catttcctta 360

agtgccccaa tacctgactc tccccataga agacggcaag ggacttctt

409

<210> 23079
<211> 389
<212> DNA
<213> Glycine max

<400> 23079

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agaatgccta tgggtctaag ggtaagaaga atcacgagcg cgatgatata gacaccagag 120
aagaagaaga gaggagaagt ctcttgcaat cagcacttaa ccttgttgat gagagtgact 180
tgtcagatgc ttttgatcga gttgtgctgc ttagtgtgga aaatgttcgt aatgaacact 240
gtagtttgca gagtgaaaca gtgaaggctt gagagccagg tggagtgaaa ggtcgtccta 300
agaatcaagc gacaaacaag gaaaccagag atttgaggaa tcttctgatg atgtgttcac 360
aatctgtgta tgccaatgac aaaagagct 389

<210> 23080
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23080

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aatatgacag ccaccgtttt aggagcgctg agcaccagca gcgcttcgag gccatcaagg 120
gatggtcatt tctccgggag cgacgcgtcc agctcaggga cgacgagtat accgacttcc 180
aggaggagat agttcgccgg tgggtgggcat cactgggttac ccccatggcc aagttcgacc 240
cagacatagt cctcgaattt tatgccaatg cttggcctac agaggagggc gtgtgagata 300
tgcgatactg ggtgaggggt cagtggatcc cgttcgatgc ggatgctctc agccagttcc 360
tgggataccc tntagtgtg gaggagggcc aggaatgc 398

<210> 23081
<211> 376
<212> DNA
<213> Glycine max

<400> 23081

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 ttgctgaatg ctacaagctt tgcaaaacgt ttttgctgct ttagtctatt ctgcaaatac 120
 tagtattgat tatgtgttgg agtcattatt tgccctctgct aagccttctc cacagtctgg 180
 tggcattgct aaacaagctt tgcattcgat agctcagtgt gttactattc tatgccttgt 240
 tgctggtgat cagaaatggt catctacagt gaaaatgctc actgacattc tcaaagatga 300
 caacagttct aactccgtaa gcttttctct tcagtgaana tgctcatcta cagtgaanaa 360
 gctcactcac attctc 376

<210> 23082
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23082

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 tctataacaa caaatttcag gttatatttg cactaaaaga agaggatgta gtttttgtct 120
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 attttttggg tttgtagagt cccaaaatat tgtggatagt ttgaaaagtg atttgggttt 240
 catttctact tattttgtca ttgcttattt acaatagcca gttgttcatg tttgcaagtt 300
 aaaaacaaaa aaaagcacat cgatagtgtt tcattggaaa agtgtcatct acaattntga 360
 atatagatac tgcttattta atgaagcata atctatatgt ttatcat 407

<210> 23083
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23083

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 ctttacctta tcttctattg ttgtttcttc atttttctcc atgtatctcc tcacatgtct 120
 tgagctaaat gtttttaaca tgattcttta aagtttccac cgattaaact tgctatagaa 180
 gctagatttg attttctatg gttcaaattt cttgttcttg ttcttgaacc ataaattatg 240

ttgagtttag gttcctttga gttttgtctt gttctttttt gtggctgaaa cctaaaccat 300
 aaaattctta caaaaatatt aaagtagaag aaaacctcaa aaatctagat tgacttggtc 360
 acctattgta gttntgtcat agaagtcacg tctagtcacg acacttggtc cataagattt 420
 cttatgttg 429

<210> 23084
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 23084

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 gtatatctag acgctcgaaa ttcagaacaa aagctctgag caaattcaaa cgaaaataac 120
 tttttactcg tatgtccgat cgtttcccgat agtatatcga gaccctcgta attgaaacca 180
 gaagcccgta gcaaactcaa acggcaataa attctaactc ggatgtccga atgaatccca 240
 tgatatatcg aggcgatcgt aattgaaaac agaagctatg agcaaatgca aatgacaata 300
 actttttact cggatgtcgg attgagtcac gtaatatatc gagacgctcg gaattgaaaa 360
 cagaagctct aagcatattc taacgacaat aactttttac tcggat 406

<210> 23085
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23085

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 aagngataa cgggggatat tgcttacaga attatgctcc attatcttga ataacagaat 120
 taaagagacc ttaagctatt gtcgggtgat ttttcaattt ctattacgag ggtctcgata 180
 tattatggga ttcattccga cattcaagta aaaagttatt gtcatttgaa tttgctacga 240
 gcatctggta tcaattacga gtggctcgat atactacggg acataaccgg acatccgagt 300
 aaaaagttat tgtcagttga atctgctcat agcttctggt ctgaatatcg agcgtctcga 360
 tataccacgg gacacaatca ga 382

<210> 23086
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 23086

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 acaacagtta atatataggg tctgattagg gtaaattttt ctagaagaac tatgaaaaag 120
 aaataaaatg attttttttc gtaagttaat ttgaacttat gcacaaacta agctctaatt 180
 ctttttttca tcttttagag aaattattat acaagagctt ttacaataag taaaaatatg 240
 aaaattttct tatgataaat ccatttcatt tgtaattatt cctagaaatc cttctggaca 300
 gaaaccata gactaaactc aaaaaggcct ttgacgcacg atacctccgc tgtgtggggt 360
 aaaatagttt aaatattggt taactcttcc gttagttaa acgacac 409

<210> 23087
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23087

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 gtcaaccctt caacctctc tagtggaatt tctctttttc aaaactatca taatctgatg 120
 agatgaattt gtgatttggg gttgtgattt gtgggtcttt acttgtttta gggtatgttc 180
 ttgttctggg ttatgaatta tgttcttcat ttggattctt agatgttggt cttgcgttta 240
 caaaataaac atgtttaaaag aaaaaaaagt attttgtgat gacttttaac tgctaattga 300
 gctagatttg tcttgacgga agaattgttt tgaacctttt agttaagata aataacaaaa 360
 gtgaactttt tttataaaaa ataaactaaa ctganaaaaa aagata 406

<210> 23088
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 23088

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aaccttgctt tcctagcatg acaagattaa aaagcgtgaa gatgcttgaa ccccatacct 180
ccaaattcctt tgttcattgt caacctctcc caatttaacc atttataccc ttgctcgagt 240
gattgttaca tactacccca ccaaaaagag ttcattatct tttttctaatt tcaccctgaa 300
gagtagatgg aaatagaaaa atgcttatac aataagtggg attgagtggg ctactaactt 360
aatgagaatt tctttatcca ccttggaag atactcaatg gaccagggat gaatacacat 420
ggaaagtcta tctt 434

<210> 23089
<211> 403
<212> DNA
<213> Glycine max

<400> 23089
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tccaccacag atcaaacgca atctcaatgg ctgacagttc gcttatatca ctcttattat 120
attcttccta aaaatagaat aaactttgtt atactgatag aatttagtag tagttaggag 180
actttgctgt agtaactagt aactacttga tgagtcataa atgcagctgc attatacaaa 240
tgcatagcat ctgtattcat ttcacaattt tattcaatca atacatgatg tgtggccata 300
tcaagtgggt attgcatgga acgtaacatc cattgaaatt ctaatatgaa cttttcagtt 360
tatggatgat gttaatcaaa tgatacagta aactagatat ata 403

<210> 23090
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23090

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cgagattcctt tgtggcaata tgagcgctaa gcgagtacct ctcagctaag cacgtgctcc 180
tttgtactta agatgcatca tattagctaa gctggccaag gccaggctta gcgagagttg 240

cagcttttct aatctacagg tctcgctaag cagacgtact ctcgcgctaa gccgagtttt 300
 tgtgtaaaaa aaaaatattt tcaaatttga aacgtcggct aagcgcacgt gttcgctaag 360
 cgagccttgg taagaaacca natgtctctc ttgcttgctt agcacaatag ttcgctaagc 420
 g 421

<210> 23091
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23091

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 tatatatata tatatatata tattcaactt gaactttaca cctatttggg acactacaaa 120
 atgtatgggt agtagtttta agttttaaca aaagtaaaat cttaaaatat aaacaaaaaa 180
 ctatcatata aggaagtga aagtagtttg aatttgggga aaataaataa taattaattt 240
 aaaatataaa tagttgagat tcaaaataaa aaaaagactt tcatataaac agtgaaaata 300
 attaaatggc atttttttct cttttcgcta gagacacaca tatacaaatg tagttgaggt 360
 atcaaatgat ataactatgt ttatacgttc catggc 396

<210> 23092
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23092

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 tccttaacga attttggagc tttggaattg ttttgggaat aagcgtgggg gggtttttgtt 180
 tcattggaca acttgttttg atggctatgc ttcattgatgt attttgggcc atacttgatg 240
 tacattgtat attgggttaa tgatggacat gctgaatgaa atgttgtttc tcacaggctc 300
 cagagtaaaa ataaaaaaat aataaagttc caaataaata aaaaaatctg aaaagacaag 360
 aaaagataat gaataatggt gagtgaataa gatcttaa atggcacaagag tgatgaaac 419

<210> 23093
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 23093

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taagcaggcg agctcctggc agtcaacaga taaaaggaaa acaagaccac agagcaagga 120
ggcttgtggt ggctggccag ctgtgaattt tgtgtaatat gtggattgtg gcctctggta 180
atcgattacc aagggtgggt aatcgattac aaggcttaaa attgaagaca gggggctaag 240
atggtctctg gtaatcgatt accaaggggt gtaatcgatt accaggcttg aaaacgaggt 300
caggaagcta gggaagcctc tggtaatcga ttaccaaggt gtgtaatcga ttaccaggct 360
taaaaaggga aatgggagat ggtggaagcc tctggtaatc gatta 405
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<210> 23094
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 23094

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ggtccttttc ttcttttcgc aacttgagtt cactattgct accccataga gctccgcgaa 120
atttgttccg gccatactct tccttgcgag ccctcttgggt ctcttgttca agggctcttg 180
cggtaattgc attctcttcc cgtaaccggg cacactcctt ccgaacgtgt gtagcggcca 240
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cttcgtcctc ttccggtgct tcaaaactct ctttgctgac gacttttaac ttggcgagcc 360
aatctaaacc tcgtatatga actttcagcc attcgtggta cccaccaatg atgccattac 420
gaatgcctct a 431
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<210> 23095
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23095

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 catccactag ggaataagcc aaggaagaag gagcttcacc accaggaatt gctttggata 180
 agaagcttga agaggatgct ttaatggagg aaaagaaaga gagaaggggg gagcacgaaa 240
 ttgaaggaat aaaagagggga gagaagtgga actttgaagt gtatctcata agactttcat 300
 tcatcanagt tacaacaagt gttacacatg cttctattta tagactangt agcttccttg 360
 agaagctatc ttaagataac ttccttgaga aactnttttg a 401

<210> 23096
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 23096

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 agcggcttct aaggactcct ctgcggcctc cacataaggc gtagaggatg ggcagctcac 120
 caagatgtct acctcgcttg atacgatgac cagatgtctt ccactacgaa tatcaagatc 180
 tgggtggagtg tatagggaac aactcccact gagtggatcc acaggcgccc caacagacag 240
 ttgcatgggg gttaatatcc attatttgga aagtaccttg acaggtgtga gggcctatct 300

<210> 23097
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 23097

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 tgtcaaatat gtgcatcaca attttggctt tgtgcagaaa atgcttgtgt atggctgggt 180
 gtggaaaggg tagtatatat tgggttctgg acattttgta gcagatccca acgggtcaaaa 240
 tgtatactta tacactaggg acttccagta aaattttcga gtcgatccaa cgggtgaacga 300
 aatggaacga aggaaatgtt actgcggtct ctaagtaagg aaagctgcga ttttggtttg 360
 tgttatgggc agagatttct gcctctgccc tgttttc 397

<210> 23098
 <211> 379
 <212> DNA
 <213> Glycine max

 <400> 23098

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 aaactcacca ataacagaat gctcaagatg ctacaaaagt acgaaatgat gcctaactaa 180
 tatatgaaat gtcctatcta tctcaagatc aaagggttgt aagtcacatg cattgcctct 240
 agtcatacac tacattcagc atgcacaact aagtgtcttc ttatgccact aacagggttaa 300
 gtttgaacta caactaccct ctaatgatat ccaaagact tgaaattttg tgagaaacac 360
 cctataatca tgaaaagat 379

<210> 23099
 <211> 413
 <212> DNA
 <213> Glycine max

 <400> 23099

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 cgcaaatcaa ctctccact tccacaagtc aaatataaac cgaccatccc cggttgccca 120
 cctttcaact gagctcacgc actcctgcgt agcccttctc ctggttcctc tcagcatcgg 180
 gtcccatca acccctcaa gcttcacaa tattcaagca attcaattcc aaatatcatg 240
 aaactaccct caaccaagaa aacaaagtag aggcagaaaa ctctacccaa aacacattca 300
 aataccacaa ctttccttac tcatataccc cagtaacatt ctctttgttc cgattcgtaa 360
 accgttggtg cgccttgaaa cttttactgg aggttcctag tacataaata tac 413

<210> 23100
 <211> 459
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23100

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attatgtcct ttaatggaga ttttccacca tggagatgta gcggaagaca aaggagaaga 120
 ggtgagagga ggcgccatcc actatggaat aagccatgga aaaaggagct tcaccaccaa 180
 gatgagcctt ggataagaag cttggaagga tgcttcaatg gaggaaaaga aagagggaga 240
 gaaagagaga gggggggagc atgaaattga aggaagaaaa agggagaaaa gttgaacttt 300
 gagttgtgtc tcacaagact ctcatcctc aaagttacaa caagtgttac acatgcttct 360
 atttatagac tangtagctt ccttgagaag atntcttgag aaaacttcct tgagaagctt 420
 ctttgagaaa acttccttga gaagctagag cttacctac 459

<210> 23101
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 23101
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 caaggaagtt ttctcaaaga agcttctcaa ggaagttttc tcaagaaagc ttctcaagga 120
 agctacctag tctataaata gaagcatgtg taacacttgt tgtaactttg atgaatgaga 180
 gtcatgtgag acatacttca aagttccact tctctccctc ttttattcct tcaatttcgt 240
 gcttccctct ctctctttct ctccctcttt ctttctctcc attgaagcat ccttccaagc 300
 ttcttatcca aggctcatct tgggtggtgaa gctccttctt ccatggctta ttccctagtgt 360
 gatggcgcct cctctcatct cttctccttt gtcttctctt gcatctccat g 411

<210> 23102
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23102

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 ntgggaataa gtgtgggggg tatgtttcat tggaagatat aatttttggc catgcttaat 120
 gtttgatttt ggccatgctt gatgtatctg catattgcct agttcttgct ntaatcttca 180
 aattcgtact gttaaaaaaa aatcaattgc tgcaaatttt gcaaattcga actgttncaa 240

aaaaaagaag tgaagttgaa taaatgaggt cttgttatga ggactntatt tgggagcctt 300
 gggttgattnt gttaaattag aggggttggg tttactactt gtgcttaatt tccacttatt 360
 cccattgct cctctattcc tttgggattt agctacatat tccatatttg tccctacct 419

<210> 23103
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23103

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 ttgggataaa ggtagtggtg ccatgttttc aaagcccgta ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca cttaatttca 240
 aaagattttt gaaagtttgg caacgaaagt atgggggcat tagttagctn ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360
 tcattgagag gtgctgcaa tgtgctaana tccttcacaa atcgtcta 408

<210> 23104
 <211> 440
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23104

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 gggactgccg ttctacatg gccaaatttc ccaccagctc aacaatgtca ttactcagca 120
 aatatcgacc cttctcatta cccaccaccc tatcaaccag gaacacccaa tcatccacaa 180
 agggcacccc taaatcagcc ataaggcccc cctgccacac atccaatgcc aaacaccacc 240
 cttaataaaa accaaagcac caaccaagga agcaattttc tagcaaagaa gcctatagaa 300
 ttacacctcaa tttcgggggg cgttgctaac ttactcccat atctactcga taatgcaatg 360
 gtagccataa ccctagccaa ggttcctcaa cctccagttt ttcgaggata cgactcgaat 420
 gcaacatgtg cttatcatgg 440

<210> 23105
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23105

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 ttttttaaataa ataatgttcc aatctaactc agaaaagaaa aagaaaaaaa cagaaatgaa 120
 attattcatg acatatgaga tacagtatgt tatagatggt ggtggcgtga gcctgngtcc 180
 tctacgtggt ggtcaatcag gaggttgaaa tgcacgcgta tatagatcgt atttatagaa 240
 tatattctgg cctaattgct tagactaatt attatcaaata acaacaaaca ctattttatg 300
 tatataattt attctttttac tagtacatat atgtattttt ctttcatata tatgtccatg 360
 cgactacaga tattttaatga ttataaaaaa aatccctgta aatgtttact 410

<210> 23106
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 23106

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 aaatttggca tgctcataat caccctaattg ttgacagttg acctgaaaat tacatgggta 120
 agagaagggt gtagctagca taatgcagaa attgacaatt aaattaggac cacaataaag 180
 gagatttttt ttcaaaaaga acattacaat tgataaaatt aaagactgta agaataacta 240
 tgaccagatg taaaaagttc tgacatatca atgtaaaatt cttaatgtac atatgacaaa 300
 gaaggcagct tcaagtttgg accaatattg tgctgccaag tctagaagat tcttatcaat 360
 ttaagtcata tattttcattt gagcacaatg agaacttaag ttattgtatt attgaggcaa 420
 cacagaagaa cagtctaca 439

<210> 23107
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 23107

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aaactatttt tttttaaaca tgttatacta attaatgtgt tagaatatta ggtttggtat 120
gagagggagg gaaggaactc atgacctttt ttctttttct ttctctctta atcatgttat 180
tgatagagag tattcatcat ctattttatt aatgattaat ctccattaga aatctaacta 240
tctgaattnt ctttttcaat catatttttt tcatccacaa aattcaaaat caaaattnta 300
cttaatggac cgagtcta atcactcgag ccaactactt atntaattta aacttatggt 360
taactaaact agcanattgc aatggtgttc anaattccta caaatt 406

<210> 23108

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23108

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taggtgataa aaaaaattaa aggagagaaa ttgttacatg aatgtataag aacatcttct 120
gtcacaccog tgaaattgaa aaaaaaacat taaaaatatt attatgcaaa taatgtaaaa 180
agaagaaaaa tgtaaactgg aagacactga acaaattgag aaaaaaagtc agatagtaaa 240
agagggaatg aagcatgtaa aggggtggag aaataatgca cgtggaattt aaaatagaaa 300
ttagaagata tacataattg ttacacgtat taatttcaga attaaattat tcccaaaact 360
aactattttt aaaaattaat tttctttttt taacatatat ctaanaatat at 412

<210> 23109

<211> 408

<212> DNA

<213> Glycine max

<400> 23109

tttgcttcaa gaaaaatggc cttagcaaac ttcttatttc cagaaggaaa ttcaatcaat 60
agacctcaa tctttaatgg agagggttac cactactgga aaacccgaat gaaaattttt 120
attgaggcaa tagacttaaa tatttgggaa gccatagaaa tagggcctta tataccacc 180
acagtagaaa gaatcacaat agatgggagc acaacaagtg aaagcataac aatagaaaaa 240

cctagagata gatggtctga agaggatgga agacgagtac aatacaattt aaaagccaaa 300
aacataatta catctccctg tggaacggat gaatatttca gggtttcaaa ttgtaagagt 360
gctaaggaaa tgtgggacac tctacaatta acacatgaag gaacaaaa 408

<210> 23110
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23110

tgngtgaaga gatagattaa naagactttt atcntttttt gcaatagnct attcggaana 60
agcagacctt gcgctaagcg cccaatcttc acgcgctaag cccgagcttg ctgcgcgtaa 120
acgcagagac ccctaattgg ttagctgaat agttcagcta agcgcatatc actgtgctaa 180
gccaacatc ttactataa ttgaaactta ataagtgggc ttagcgtgga tgatgcgcta 240
agcgcaattt cttctctgga aaaatttcat tgttggcgcg ctaagcacgc tgtcttctgc 300
taagccctag atccattctg gaatttgagc tttcaagctg ggctaagaag ggtatgatgc 360
gctaagcacc aatcttacct gttgcgctaa gcctgaacta ctctctgt 408

<210> 23111
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23111

taagcttctg cttaggncctg cggaacgcgc cacattttga tgtcaatcaa caatatggaa 60
taatatatat tcaggagact tacactatat cacaagtaat aaaaatgaat aaacaaaacc 120
aaaaaacaga ctgctcagga gctctcactc gacagaaata atgaattgaa ttgacagatg 180
tcaacaaaaa gatattttac aacaaaacat attgcattca ttaagcatca gtaaacctga 240
caccgacacc cccccccctc cctgttctctg tttgactcaa tatgaacatc aatttactct 300
ccattgaacg g 311

<210> 23112
<211> 175

<212> DNA
 <213> Glycine max
 <400> 23112
 tatggcgaac tctcattgtg ataaactaca tatgtccacc aatttctata caagtcggtg 60
 aaataggagc taagataaac ttgacgccat ctttggagtt atttataaaa acaaaagacg 120
 cggacagaga aatttttaaaa aatcacatat gcccatatct gctagtaaaa ggctc 175

<210> 23113
 <211> 409
 <212> DNA
 <213> Glycine max
 <400> 23113
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 ttataatatt ataatatgtt taagtcccaa taaacgaatt ttcatttggg tcatgtcatc 120
 acttcactta actgacgaca tgaactcatg acaaaagttt taatatatta agcacttaaa 180
 acaaaattca tatcatttat taatatctta aaggtattta agtctatatt atattattca 240
 ctctctcact ctgtatatat atatatatac aggatgttgt tgatadcaga aatctcagtc 300
 tggtttacac tcttgctgga ggtaaggctt tttataacta taagttttta ggattaatat 360
 taatataaca gaagatacat gcatgataaa cattaatcag catgctgtg 409

<210> 23114
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23114
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 gcagtcacat tttcatgcat tcaatttatt ttatatttgt tctaaatttc agtagttcaa 120
 ttttgaacaa ctgaaatttg gaattcattt tttaaaatta attggtcgaa ataaaatatg 180
 agttattcaa tcttcatttg atagttccaa gttactaaat gcattgaaaa gtgaacgcag 240
 aggatctgat cctctgcctc agtctttcag tcaatgatag gtattctcac acaacottcc 300
 aagctagctt gctccaattn ttgcaaaatg cctcaatcct aatagtatta aatcctatgt 360

aagagtcaca acatacagta cataactgaa gagttattan natgtaatat tattgtctaa 420
 ttacccttta a 431

<210> 23115
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23115

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 gcaaatacat aaatagaatt gtgaaattga actttgtagt tttagttgat ctgacttcac 120
 taatctgttg acctttataa caaccgaact ctacactaca taggttttag cttcaccatg 180
 ctgttttaggt ttagaggcgt tcttgtcata tgggcaatga tcactttgcc taaatctata 240
 aatggaggaa gttgagttac aatgatgatt gcaaattagg ctcgaaatta tatgtgtata 300
 gaatcgttga gctttatttg aagtgaacat cacgaatttc cggtattgga aatattggac 360
 attacgcaga ccatgcttct ttggttgaca ttgntaaatg a 401

<210> 23116
 <211> 110
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23116

agagagctag ttaacaatct attaagacaa tttccaattc atactcttga tgatgggggt 60
 taaattaaca ctttcttgga gggggcaggc accccccccn ggaccacat 110

<210> 23117
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 23117

ttagcttgat agctttgaaa tattggatgc tatatgtaag ctaatgaaga tctcgtgctt 60
 caaattactt ggaagaaaga tcaattagggt tattcctttt tttttttgga ttaataaggg 120
 taaacaaaca taaaatatat aacttacaac actttgtttt ttggtatttt tgtcagtgca 180

ggaagcaaga cagtcaaata gtctatatca atacttaatg atagagttca tcaccaatc 240
 tttgttcttc atgacogttt aatacttata atgacacaca ttacataata tatataatag 300
 aacaatggat ttaatcatca actcagtaga accacacatg taacaaacgc aaaac 355

<210> 23118
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23118

ttggacattt gaatatgaaa tgaatttttt natattttat tttgctaaag agctacaaat 60
 tagccatgag agttgaaaga tctaaacgag aactttatat atccatcttt atgagtgaaa 120
 tttcttcaaa tcttaaataa atgaacaaaa gaagtaggca atataataag ctataaagaa 180
 aggaacaaac ctctattctt ggaattggat gaccgtgagt tgtgatttgt ctttacttgt 240
 cactattcca aatcgtaagc aataaaactga atgtgagaaa aaaagagcag atttaggaag 300
 aaagctgaaa tatgttggca agctaaacat gatttaagca tatggatggc gtactactag 360
 tccgaagaan accaagatca agttaaagag caagagaata ctacagagcat gacgaaagaa 420
 accagaaaac ata 433

<210> 23119
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 23119

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 gaacttagac tagtgaagag agggttagcc aaacttcact aagattattg tgtctggatt 120
 tctaataaat atgggtcata ttaacgcgag tagtatacat acccaatata ggtttgatcc 180
 ttattaccgc tacgaaaaaa aaaaaagact aaaatgcata tatggaatcc attattgcgg 240
 actaaacaaa tacatatcgc taccttaata agtgaggcaa acagatgtta aaatgtgaat 300
 tcttagtggc tttacatatt tgtaatcaaa atatcgcttt atactagcat tttaaactac 360
 tattgtttta ttaattatca aatattcttc aaataa 396

<210> 23120
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 23120

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agctttagg attatggggt acccatcaca tgtggtacta ggtggcggtc gggcgatggt 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccatctga gtcacgtac tcccacgtag cccatatcct tttttctctc aacaccgggt 180
ccccatcaat cctcccaagt ttctccaac atcaaagtaa tacaacattc acacagcaca 240
agctatcgca gccaaagcaa acagggcaaa ggcagaaaac tctgccaat aacaccaacc 300
aaaatcacag cttttctcac ttaaagacct cagtaacaat ttcttcgatc caattcgtaa 360
accgttggtat cgactccaaa attttattgg aagtctata 399
```

<210> 23121
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23121

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acaacacatc ggtcatccta gaccatatin tgaatgcaag aatacaacgt cagtggctat 60
aaaagaatag acgttataaa aaaggattca acgacgcaca tattagacaa cccgtcngtg 120
ttttggcca tttcatcgtc gggttagcaa gactcngtcg tgttgggtgc catatcaacg 180
tcgggttcgc ataacacccg tatttgTTTT gtgtcctgtc aacatcggtg gcaagctcac 240
caccgacgtt gtttggtagt atgtcaacgt cgggtgtgag gacaccgtca ttggtctttt 300
ctcatntaa atgaataaaa atgaagtctt ttat 334
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<210> 23122
 <211> 410
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23122

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agctttctag cttttcactg gtgtatTTTg atctcctttt ggtgctctaa attgtgggaa 60
tgtgtcaaaa tatgtggggc aattttgggt tgttttcttg cttgattggg ttgaattggg 120
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ggtttgtatg agatggccct aggcctataa tgcattttga agcaatgggg catgccacat 180
 tgtccccgtt ctcttgctat tgatgcctaa acgcgcgcct gccaaagtgtt cggtgaaatg 240
 cctcaatggc attagcgcgt gatttttga gggaaacaac ctatgggaca acttggtttg 300
 cacatgtttt ctattttttg ggacatgtat tcagtttcgt aagggtctaga gtaattgccc 360
 cacatatatc ctangcctan gaaccanagt tnttatgcaa gagaacacaa 410

<210> 23123
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23123

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 ccgcgatggc ccacctctt caacggcgtt cacgctagcc cctccatgac tagctagcgg 120
 gttggtttta acatttgggc ctctctctcg aaacgatagt caaccggcac taatcaggtg 180
 ctgcatctta tacttgaacg ggatgcagga gtcaatgttg tgtccgggag ctccactatg 240
 gtacgtgtga catccttgaa atttctaccc ggaatttttg taaacggggg attttgaatg 300
 attatatata tatatatata tatatatata tatatatata tatatatata tatgagtatt 360
 attcagggtg tatgcatata tgttcctggt agaagtagga ataaaggggg caagatacgt 420
 gggttaggct gattaagg 438

<210> 23124
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23124

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 gtactttgat tttcagcctt gtattttggc tatattatta tgggtatttga acaatttact 120
 atttccttat ttgcatggta tggttgaaca agtatgttat tttactatgt ggatttcata 180
 gttaatctat ttatgattgt tgcttcatgg ttcttacttc atgatttgat tgatgggttt 240
 tcatgaatgt tgtatgaatg tttagttata tttgcatact taaattttga tacgcacttt 300

ggctttttgt tgatgccaaa ggggaagaga aatgggatta aatcaagaac tcacaagagt 360
aatcaattta attntaagat aagcacanat tcaaaaacaa aggggggaga 409

<210> 23125
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23125

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atTTTTtGct ttaccttttc ttccattggt gtttcttcat ttttctccat gtatctcttc 120
acatgtcttg agataaatgt ttttaacatg attctttaga gtttccaccg attaaacttg 180
ctatagaagc tagatTTTtat tttctatggt tcanatttct tgttcttggt ctCGaaccat 240
gaattgtggt gagtttaggt tcctttgagt tttgtcttgt tattttttgt ggctgaaaca 300
taaaccataa aattcttaca aaaatattaa agtagaagaa aacctcaaaa aatctagagt 360
gacttgttca cctatagtag ttntgtcata gaagtcatgt ctagtcatga aactagtcac 420
ataagatttc t 431

<210> 23126
<211> 411
<212> DNA
<213> Glycine max
<400> 23126

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atgattcaag agtagatcta caaaatttga accacagaaa tgcaagaaca agtgtagatc 120
taagatttaa tcagtttatt ttttttgaat ctactctaaa catcaacaaa ccacaagaca 180
atggagaata tacatggaga ataagatcaa gaacaaggaa ttaaagagaa ttcaccgaac 240
aaaaagatag aggaagcaaa agaacatcac ctagatgaag atgctcttga taccacatga 300
tgtaagctcc atcgagcctt gtaggcctag gatcttcttc atcaatggat tcctttgctt 360
cttggaagat gaatggcagc ggaatggaga aggaagagag agaggagatg c 411

<210> 23127

<211> 428
 <212> DNA
 <213> Glycine max

<400> 23127

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cttctatgga ggctggatct ttgagcttca aataagatct ttaatggaga ttttccacca 60
tggagatgca gcggaagaca aaggagaaga ggtgagagga ggcgccatcc actagggaaat 120
aagccatgga agaaggagct tcaccaccaa gatgagcctt ggataaaaag cttggaagga 180
tgcttcaatg gaggaaaaga aagagggaga gaaagagaga ggggggagca cgaaattgaa 240
ggaataaagt acggagagaa gtggaacttt gaagtatgtc tcacaagact ctcatcattc 300
agagttacaa caagtgttac acatgtttct atttatagac taggtagctt ccttgagaag 360
cttctttgag aaaacttcct tgagaagcta gagcttagct acacacaccc ctctaataac 420
taagctca 428
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<210> 23128
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23128

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gaggggaatga 120
tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg tatttctcatg 240
caacaactga ggaggacaaa aaggtgaagc ttgccgccac ggaattttcc gactatgctc 300
ttgtgtggtg gaacaagcta caaaaggaga gagcaagata tgaagagcca atgggttgata 360
catggacgga gatgaaaaag atcatg 386
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<210> 23129
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23129

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ntgagaaaat tcanacaaca ataactntnt acacggatgt ctgatagagt catgtaatat 60
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ttcgagacgc tcgaaattga atacggaagc tctgagcaaa ttcaaacgac aataactttt 120
tactcggatg tctgattgaa tcccataata tatcgacaag ctcgaaatag aatcttgatg 180
ctctgagcaa attcaaacga caataacttt ttactogaat gtctgattga gtcctgtaat 240
atatcgagac gctagaaatt gaatacggaa gctctgagca aattcaaagt acaataactt 300
tttactcgga tgtctgattg agtcccgtaa tatatcgaca cgctcgaaat tgaatgttga 360
tgctctgagg aaatacaaatt gacaataact ttttctcgg atgtccgatt gagtcccgta 420
atatatcgag acgctcg 437

<210> 23130
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23130

caagctttat tttaaacttg gccttctctt aattgtcttt gggcttggcg accacgatca 60
acaaagtact ttcggcacct actatatgtt gacttgacca acgctgttat tggaatgctg 120
cgacaatctt tcaacacctt attcacacat tctgataggt tggttgtcat gtgaccatat 180
cgtcgtccag atgtatcgta agccatgctt cattnttcct ttgaaatgcg atcaatccat 240
catgctatgg ctggactcag ttgacgaaat ttttctaagt tttgatcana cacatgcttg 300
caaggagtgc acgctgcatc aaatttgta tcatcaaaag ttgtacgtag acatcaaact 360
canattaaat taatgtataa aataaacctt acccaatttc ttgaacatct c 411

<210> 23131
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23131

tgcagaaggt gggtgcggga gtgtgtanta aaggatccta ttgcgtatct tgatggccaa 60
agtgatccaa ttccagttgc tatcaaaagg ctcaacactc gtggcttcca ggtatatact 120
ccgtccgtcc ctatttataa taagacagac ataccaca aatttttttg gccctgttat 180
aagacttcat tatatttctc ttctattaat tttttttttt tttactgaaa cttcataaat 240

tgtctttttt tccgtcttat gatgattgaa gaagatgagt aggttgtcaa taaagttaag 300
gataaatttg aaaaaatatt actcttggaa agttaagat tggagtataa ttattgacaa 360
atttaatttt aaaaactaaa ttaattaact ttcttaataa ac 402

<210> 23132
<211> 400
<212> DNA
<213> Glycine max

<400> 23132

tctgctttag cccttaggtt gttcagaagc tagctagtta gttaagttga acatccttta 60
gattgctagc tggttgaaat caagcttaac gaggtggata tagataaata ataggaggaa 120
aaaagtttta aaatataaaa ttctattaaa actttttaaata tataaaaaga tattttaaag 180
tttaataaaa ttacaaagaa tagcaactat ttaatgtatt agttgcacat acttgtttaa 240
acaaatgtgt gatttgtctt ggcaaaaaaa tgcgtgagtt gcaccttata taagtatttc 300
attccatata tggctatatg ctagaggttt tgaccaaccc ttctaacata tttcatatat 360
attcagccgc ccaatgttaa attggaaagt tatagataat 400

<210> 23133
<211> 339
<212> DNA
<213> Glycine max

<400> 23133

catcgccgcg agtatgacat gcactccact atggctgaag tagacgagac cttcaatcct 60
attacgcaac gaggcggaca aaagtgggca gttaacttga atggtcatta ttatcaatgc 120
cgaaagtatt ctgcgcttca ctgtccatgt tcacatatta ttacagcttg tggttacgtg 180
agcctgaact actaccaata tataaatggt gggtatacaa atgagcacat cttaaaagct 240
aactcctcac aatgggtggcc tcttgggaat gaagcggcta ttccttcttc taatgacgca 300
tggacactta tccctgaccc aactacaatt cgtgcgaag 339

<210> 23134
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 23134

ttagctttca tttttttttg gtttccaaac tttgttcttt cacagaaaac aaagtgtgca 60
 attcatcttt ttcattcttt tctccctttg ccaaagagaa ttcgccaagg actaaccacc 120
 tgaattcttt ttgtgtctct cttctctctt tccaaaagaa cgaaggacta accgcctgaa 180
 ttcttttttg tctcccttct ccattgtcaa agaattcaaa acgacacagt ctgagaattc 240
 ttttaattct cccctttccc ttaaacaaaa aatttcaaag gactaacgcg ctgagatatc 300
 tttttttttc cccttcacaa tgtttcaaag gactaacggt ctgagaactn tgtcttaaca 360
 cattggaggg tacatccttt gtggtacaag tagagggtac atctc 405

<210> 23135
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 23135

tcatgcttaa gtatgtatgg aacaacttca ttactgttgt ttaacacata caagagagct 60
 tatgacaaat cttctagact tggagtcatt acatgcaatc ctcttgaacc cttaccaccc 120
 actctgacat catgctgaaa cttaagaagg ccaacagggt tagccttctc aatgtattct 180
 gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caatagatgc tcctggatga 240
 tatagattat tcatatacat tttaaaaatc ttcatgtatc gtcacttggt gtacatccac 300
 tgcaataaaa caagaccata acatttgatt tctctgacga gatgcataat caagtgaatc 360
 atgatgtcaa agaaggatgt gggataatac atctccaact ggcacagta 409

<210> 23136
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23136

tcaagcttgt ccaaatccct tgaagctgaa aactcctcta atgaagattt tgagtaagag 60
 tctaataaag atgaactcac cttcatctca tgaaagattt tcaagatgtg gaagaacaaa 120
 ggtagatcca aatagaataa cttctcaaaa atgttggttca aggaaaagaa tgacaaaagac 180

aaaagctcca taatatggta tgaatgcaag atacctagac actntaaatc taaatgccag 240
aacaagagaa gtcttgggac aagaagatat actacaagtc caaggaaaag aaaggctctct 300
ttagcaccta ggaggatctg gacgacacat tgtctaataga agatgaagaa gaagccaacc 360
tatgtctaata ggtagacata gtctttgaag aataa 395

<210> 23137
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23137

tgcttctaca acaaaaggta caagcaagac tctctattag ttcttactca atataatcct 60
caaacactct ttgagcctgt ctaatccttt ctttcatagc cctcttacc cgcaccacat 120
tacaagccca ataatgccca tgtggatcaa ggaatgacta atttgctttt aagttaggat 180
tctagaatga aaccgcgaca tgcttgatgat tgttaaaaaa tatataaaac aaaaagagaa 240
atccctgagg ttgcacttg catgtttgag aagcaaactc atttggctaa gagctcatgg 300
aagatgccca aacatctaata gttagtctct catgcaaact cntgatatt tctttcgaat 360
ccaatggtag cttcattaca taaatcttgt caagatcaac ccttgccatc aagtttcagt 420
agggtcaaca g 431

<210> 23138
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23138

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ttcaatcctg acatggaata gtgctggatg aaattatcca taggcctcca atggagcact 120
ctaggttcct ttacccatga gctgaattcc caccatagag gcataactnt atgacacagg 180
aagaataagt gggaggcaga ttcagctttg ctctgacaaa aagggcacaa atcattttca 240
atggtaacat gcctcctaata taaattatcc ttagtgggca atctgtccca tagaagtctc 300
caagcaaaga ctaaggctct aggagggatt ntgatgttcc atangtgatg gaaaccaaga 360

cattgatctt catgaagggtg atcagcttta atataaagat

400

<210> 23139

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23139

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tgaatgagag tcttgtgaga cataacttcaa agttccactt ctctacctct tttattcctt 120

caatttcgtg ctccccccctc tctctttctc tcctcttttc ttttctctca ttgaagcatg 180

ctctccaagc ttcttatcca aggtcatct tgggtgtgaa gctccttctt ccatggctga 240

ttccctagtg gatgggcgct cctctcacct cttctccttt gtcttccgct gcacctccat 300

ggttgaaaat caccattaaa ggacctcatt gaagctcaca gatccagcct ccatagaagc 360

cccacaagca agcttccatc aagtgggtatc agagcacaag agcttcaagt aggtgctcct 420

taaacctcca tt 432

<210> 23140

<211> 402

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23140

agtttgcata aagattctca ttttggttta atcgattacc agctacctgt aatcgttact 60

cagttcagtt gagaccatgt ctggttttca tgagtatttg cttaaatcga ttaccaagtg 120

attgtaatcg attacttcaa tcttgaaagt gttcccagaa gtgatcaaga acactttaac 180

caattaaata aataatctaa ttgattgcat tgttcttgaa aattttccag gtttcgggaa 240

gaacacttta atcaattgaa ataataatct aattgattac ttcacgaaa taatcgatta 300

cattggaaat ttatttgatt acaggcagtt ataacagttc attgaataat acacttgana 360

ctcagttctt gacatatntg cttgagaaaa tcatatccct tg 402

<210> 23141

<211> 428

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23141

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aaatagacct cctatcttta atggagtggg ttaccactac tggaaaaccc gcatgcaaT 120
ctttatagag gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc 180
ctctataata gccggaagtg caacaataga aaaacttaga gcagactgga ctgaggaaga 240
aagaagatta gtacaatata attttaaaggc caaaaatatt attacatttg ccctaggaat 300
agatggatac tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca 360
agtaacacat gaaggcacia cagatgttaa aatatctagg ataaacactt taactcgtga 420
atatgaac 428

<210> 23142
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23142

agctttctag cttttcattg gtgtatTTtg atctcctttt ggtgctctaa attgtgggaa 60
tgtgctcaaa tatgtggggc aattttgggt tgttttcttg cttgattagg ttgaattggg 120
ggtttgtatg ggatggccct aggccataaa tgcattttga agcaatgggg catgccacat 180
tgtccccgtt ctcttgctat tgatgcctaa acgcgcgcc accaagtgtt cggtgaaatg 240
cctcaatggc attagcgcgt gacttttgta aggaaacaac ccatggggca ttttggtttg 300
cacatatTTT ctattttttg ggacatgcat tcattcccga naaaggctag agtaattgcc 360
ccacatatat cctatgccta gaaaccaaag ttttta 396

<210> 23143
<211> 395
<212> DNA
<213> Glycine max

<400> 23143

gacctataaa actcagcttg cgattgggtc tcccaggatt gattttgttg gtccaaaaag 60

aagcaaattt gatcatccta ctaggacgac tgagataact ggggcaaata aagagggtga 120
 cgatgagga gaaacccatg ctgtgactgc cattcttgta cggccaagtt tcccaccaac 180
 ccaacaatgt cattactcaa cccttctcct tacctaccgc ccatttatcc acaaagggtca 240
 ttcctaaatc aaccacagag tctatctacc gcactttcaa tgacgaacac cacctttaca 300
 caaaccaata actccaacca agatatgaat ttgcatcga aaagcctgta agattcaccc 360
 caaattccgg tgtcatatgc taacttgctc ccata 395

<210> 23144
 <211> 396
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23144

agtttgtgaa aaccttgaca caattcatgc aagtcttcat ctcaaaccat aaaaccacga 60
 aatcggcaat caaaaatctt gaagttcaag taggccaact tgcaaagcaa cttgcggaga 120
 agtccaatgg gaattttgtg gctaacacag agaaaaacca caaagagaaa tctaaagtgg 180
 tacttacaat aagaaaaagg atggatggcc ttgttagtga taatttagtg gaagggtgtag 240
 taaaagatat gggtgatgcy aggaaagtgt angagagaga gacatagctg agaataaaga 300
 gaaacaaata agtgttgaaa atgtagaana aaccagaaaa gtggagaana aaagaaaaac 360
 acttttaagg aaggagtga cgaggcatat cttcta 396

<210> 23145
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 23145

agggttcctc caccttgcta ctttctctaa ttttttttag tttcctcttc tttaagaatt 60
 tccatcaaag tgtcaagact tttctattag agataggggg agaaacatga gcaacatggt 120
 gaacaaccta aatgctaaag cctgaagctc aaggaaaagc tttaagaagt tttggctttt 180
 acatgcccaa ctcccttgaa tgacatttgt attggctgtc attttggttg ttgcatctta 240
 gtacattcga tatctatatt gcatcctgca tcatcatggt tagtatcaac aaaatttttt 300

aagtcagaaa aattttcttca gaggcaaaaa ctctctatatt taatggatga caggggttatc 360
gtaatcgatt acaacaagct gtctgaagct tgtagagttg agtctcatat tagtttaatc 420
aattacatg 429

<210> 23146
<211> 613
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23146

accgacgcga tgagacgccca caangtaaat aaagangagc gananagata tacataacna 60
caacnaacac aagacacgag agttgaatca tngcgagngc atnognanna caaananaca 120
annagacnac cangaaaaag gcacgacaac gaagacacan aancaggttg nnaactacgc 180
agtttacgaa acgcaacaga cagagcgac gaggaagggg gagccgagaa gagagacaca 240
cagaacgcac gcagcagacg gccaaaggaa aacagacgag acgacaagaa acaggaagca 300
nggacagcaa cagaaacgag caaagaaagg agagaaacga agagcaaagg aagacacgag 360
acgcaagaga aaggacagag caaggacgag ccgaaagaag acgagcagga agagaaggag 420
agcgaaggac caaaagggac acnaacggaa gaaagaaagg acaagagaga gagcaaagga 480
gcgaaggggc ggaaagaacg cggagacgga accgaaggac aagaaagcga cgacaggacc 540
ggacaaaaag aagaaagaga aancaaggaa agacaaggan ggaaaagcag aaggagaaaa 600
cgcagaaaaa ggg 613

<210> 23147
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23147

agcttatatt atcaaaattg cctaaatcat ttccaaatat gcatgtgaat taggaagcat 60
caacaagaat caagccaagg ctattatgca agcaatcaat ggggaaaaac acaccaaaaag 120
attatgatga tggatggctc aaattctcac aaaggtaaac ttatcacttt caaattgagc 180
tttcaaaact atcatgacat gttagaggaaa aacaaggatt taaaatcaca aaatgtcaag 240

agacttttat tttcagaaca attacccatt tcttgaacat atcctataat tcaaagaaaa 300
 atatgcaaag ttgtacatgc aaacagaatt gacctanaat attaaactag aaacccaaca 360
 aaactaaca aattaacaaa acaaacaaaa cttgcaaac caaaaccaa g 411

<210> 23148
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 23148

ctaagcttgc ctggctcaga aaaagaacat caagattgtc cattaaatat gggatttaga 60
 ttgtactgat tcagagaagt gtccacgcat tagttcatca ttaaaaatag ttgtcatgtg 120
 tatcagaaaa acaaaaagtt catatttaca ccaaagaatt caacaatcca aattgcattg 180
 atccatgtcc gtgcacccat tagtagaaaa attattttct acgataccaa aatgaagacg 240
 attccttaag aaccgtctta gtatatcagg cggagacatt tttgtaatta aatataatca 300
 ctctcactct tcgactcccc tctaggggtc gaagccgcaa ctacatctat tgggggttcca 360
 actctttgaa tccctctcac tcttcttca tggacgcttt gcttcttttt cttctccttt 420
 gtgtgacaat ggttcaat 438

<210> 23149
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23149

agctttcaac aagagttttt acaaataacc atcatgaagc agaaaactaa caaaactacc 60
 catcatatct cccaaaaccc catacccacg aaatttaaga gagaaagaag tccacccaaa 120
 cctgaaattt cgaagtcca ctcgtagcca cgcaattcac gactccaaaa atgccctcct 180
 ttcgcgattt ggagcagaaa tgagcaccaa aggttgaagc tttgtttgga gcttcaatgg 240
 agaatgaggg agaaagaaag gcaacgtgag gaagagagag agctatctga aaaaagtgtg 300
 ggggctgagt gaagagagag aaaagctttt tggtttttaa ataaaggggt ttctctntnt 360
 ctattattnt attcaagctc tgccatgtgt ccctatttga gtggagc 407

<210> 23150
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 23150

tcggaagata gtgatgaggt acaagtccta aaggcagtgc ttgttagatt ctgagtagtc 60
 gaagagaagt tcaagtccat agccatcaaa gtctgaaaag agtatgatga actaagggat 120
 gtcaatatgg ccaccgatga agccttgga tgagaaacca agaaggcccg aaaggaagaa 180
 cagaccaaaa tcaaattttt gaggggcttt atagggcagc aatagtgagc tcaaactccg 240
 aagaggtgaa aggaatcatc acgggtcaaa ggcattgatct ggaaggacga gctaaaggct 300
 tgccttatgt cgaaaagaaa tttgtcccaa cagttaaggt gagactgaag ggaatatgtg 360
 ggccatcatc gataagtgc aagagaagct aaatctagcg ggcactcatg 410

<210> 23151
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23151

agcttttact tttatacaaa attaaaatat taacacataa agcataagac acaactaaaa 60
 caactagatt aacaaaaaca tccctatatg tctaacaaat taatgttgaa gtaacaaaaa 120
 tcgggagcat aatagtttca atttatcatg aacaaacaaa aaactagata acaacaaaga 180
 ttattttggg aacacattca atgaaaaatt gtcataccct aatttagttc ggggaccatc 240
 cgttgttggg atgcgaccct cgtttgacca cttcgaggta tttggcacc ctcgttaggc 300
 aatttgtgaa gttctaagac atgccggaag ccaaaagata agcgttgtag cacaatccgt 360
 gaagtccgt gacatggcgg anattataag gaagtgttag tgcgtaatcc gt 412

<210> 23152
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23152

tgtccttctc caccgtaatt ctctccacc tgccaactaa gtctttnttc actttctaca 60

agtccttgta gcacccaaac aactcatctc tatccaatct ggtgcgtagc aacttgghaaa 120
ggacaatgcc aaccttggaa gatagttggt gggttgactt cacagcttca gtgaaggcaa 180
cggtgacatt agctacctta agggacttca ctctccagac tgtgcgagca gcaaccctcc 240
atttggaac ctgagcctcc aaggatgcca ccttgtttgg tgccctcttg tgccctttgt 300
cattctctnt taggatcatc aaacttcgtt ggaggaaaac cttggcagaa tccatggcat 360
gctggacccc agctgaccgg ataagtttt 389

<210> 23153
<211> 389
<212> DNA
<213> Glycine max

<400> 23153

tcaagcttct agaaggagat caacttgatg ttctatgctt cttgaagggtg gcagtcctatg 60
aggaatctcc ttgggaaaga catctttaaa ttctgcaat aagggttgaa cactaggaga 120
aacataaata gttaactgat tagaattatc actctctctc ttgtgtatca ctcttttctt 180
cgggtgtatc actcgtcttt ttcatattcc ttgtggtgc ctactattt tctttctctt 240
gttctctctt ttctctcatt ctgatttggg catcacacac ttctctaggg gatagagggt 300
taagagtaaa tgaggaagat ttggctattc gtctgtaggg ctcttctttg ttacgggttca 360
acaaacgttg catttggtga gtccacgcg 389

<210> 23154
<211> 428
<212> DNA
<213> Glycine max

<400> 23154

tcattgccta acaagccaac ttacaattac gagccctatg agactcagca taaggatgca 60
cagggtcaaag ttgagtatgt gaaaagattg tatgaccaag tgaagggtgca aattgcaaag 120
aagaatgaaa gttatactaa gcaagccaac aagaaaagga aggaagtggg acttgaacct 180
ggtgatgatc ctggacattt gagggcaaat gttttccaag aaggagggaa tgatgatctt 240
gaaattggcc aaatacaagc taaaggccta agtggagaag ggcgaaacgcc caagtggaga 300
aggataaagc cccccaatgg agaaggatga aggccagag acagagacac tatcaagact 360

attaattggtt gctgaagacc caaattaatt tgaaggccca agttaaataa gtttttagtt 420
ataattta 428

<210> 23155
<211> 404
<212> DNA
<213> Glycine max

<400> 23155
taagcttgcc gcaactatgt gaagtttgct ttagtttggt atttggtgct tgatagtggc 60
ttatagaggc tgaaattggg ctgctgatc cagaaaaaa aatgcatgt agacttaaaa 120
cttgctgagc cataggggtg tcctgttaa gaaattgggc caaagattga agtagatgtg 180
ttgtctctaa attgcaatgc aaaaaaagt gttaagggtg ttcttgagga ctctactcag 240
aatggtattg aagatatgga tgttgatggt gctaattggt tgggtaaagg tgggtccagtc 300
gctaaaattg aagttgttag agttaaact ttagctaatg tacaagatgc tgaaactgaa 360
gttgatatg tgtctccaga agatgatgga caaacaagt acac 404

<210> 23156
<211> 470
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23156

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cactggtttt tctattgttt tgagccaatt aatgctagga ctatcttctt ctaaactaat 120
cctccatgct ttagaatctt cttgtcctcg ctcttgattc aaaattattg tcttcattat 180
ttgattgagt aacttaagat gcaatatata tatatatata tatatatata tatatatata 240
tatatatata tatatatata tatatatata tatatagaga gagacagaga gagagagaga 300
gagagagaga gactggaaca tgtgtgatgg gatagagaaa ggtgtgacaa ctcacacaaa 360
agagaaaaaa atatctcaat tggataacat tgttttatag gcgcgatatc tgtatatcat 420
atgtaaagat cgcgatgat tcattgatat ncattctaag aaactcaatg 470

<210> 23157

<211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23157

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agtttggtga atcttcaagt tgattttgat ggtatacgta gtccaaactc caaacacggt 60
agttttaagg gagattatct aagtatttgt aaagatatct taataacttaa atcagcgagt 120
gaacgaattg aataattgat tagttatata tggaaagata gttcgcttga taacactgga 180
tgtaccttat ttatagcgct caaatacaat taaattaaat atgacattca agcacatata 240
tatttttttt taaggaagca catatctaata ttacttgata aagaanatct taaatatttt 300
tatttttatg atgttaaata cattntttat ttaatacttt tattataaaa tagtacctaa 360
agattaataa aaaatattat aagagaatat aatattact 399
```

<210> 23158
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23158

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tgggcctata tctgtgatgc aggggaagga ttagtggtat tgcggaagaa gctcgatgat 60
gagtgtaaag acgacttaac aatatcaaat actaaagatg aattgagcct agtatgataa 120
atttccacga ggtggtcacg ttgacatgaa gctagctcgt tctttttcca tgcaacattt 180
tacaatgtat attcaatcca aaaataattt cagaactgat tgtttcgaag caagtagtgt 240
tggttatagt tggaatatcc ggtgtctata aattgtgatt cctatccagc cattgacatt 300
ctttacgctg caattttttc ttttcaaccg aaattagcat taaaataatt caaggtaatg 360
atccaggaat tgatcgatgt gcaagaaatt cttttttttt ttaatacaca cttattagnt 420
ggaattta 428
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<210> 23159
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23159

agcttgagaga ggatgcttca atggaggaaa agaaagaggg agagaaagag agagggggga 60
gcacgaaatt gaaggaataa aagaggtaga gaagtggaaac ttcgaagtat gtctcacaag 120
actctcattc atcaaagtta caacaagtgt tacacatgct tctatttaca gactaggtag 180
cttccttgag aagcttttctt gagaaaactt ccttgagaag cttctttgag aaaacttcct 240
tgagaagcta gagcttagct acacacaccc ctctcataac taagctcacc tccttgagaa 300
gcttccttaa gaagattcct aaagaagctt gagcttagct acacatacct ctctaatagc 360
gaagctcacc tccttgagat gagaagctag agctta 396

<210> 23160
<211> 431
<212> DNA
<213> Glycine max

<400> 23160

tgtgaaattc ttaaaggaaa tgggtccaag ctttgttttg agaatgagac aattgctaaa 60
gaaaaatcta ctcttttggg aaacttttgg gagttggaaa acaaattgat aggtctacaa 120
aatgatataa aggagctaata tgaacttcat gatcatcaaa gtaaagaaag atatgatcta 180
tggagagaat gtgcacaagt acatttagat tatgaggacc tttaagtaag taaacataat 240
ttttcagtag aaagtgaaga acataatctt tatcttatgt gcaagatttc accaagtact 300
tagggaagtc catctaacta caaccaaag tatgtttagc tatctaattg ggacatctaa 360
tattggtcta ttgttcaaaa gaagggaaga ttttgggctc acaagtttgt gtgatgttga 420
ctatgctgga g 431

<210> 23161
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23161

agcttgcttg agaagcttct atggaggatg gatctttgag cttcaatgag gtccttcaat 60
ggtgatttcc accatggaga agagggtaga ggaggcgcca tccactaggg aatataagcc 120
atggaaggag aagcttcacc accaagagag tgtcttggat aagaagctta gagagaaagc 180
ttcaatggag gaaaagaatg agatagagaa aggggggggaa gggagcncgg nattgangga 240

gaaaaagaag gagagaagtt gaactttgaa gtgtgcctca caagactctc attcataaaa 300
gttacaacaa gtgttacata tgcttctatc tatagcctag gttgcttcct ttga 354

<210> 23162
<211> 428
<212> DNA
<213> Glycine max

<400> 23162

aagtcctaaa tggcatttca agctaagatt tacttacttt aacctccatt taccacagaa 60
tccagattta accttccaac tctcaaagcc tctactcttt tccactcaca acaccacatt 120
ctcactttct aaccccaagt taactctacc cttcatctct aacagtttcc ataagcaatt 180
tcagcacatg aacatcacaa gcatcatcat aaaaacccta aaacagaatg ggtatgttta 240
actcatccaa acatggcaat ttcaacatgc tttcaacaag tgtcttcaca aataatcatc 300
acacagcaga aacctagcaa gactacccat catatctccc aaaaccccat acccacgaaa 360
tttaagagag aaagaagtcc acccaaacct gaattttcga agtcccactc gtagccacgc 420
acttcacg 428

<210> 23163
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23163

agtttatgtt aattgataat atttttattc tacatttgta attaaggaaa ggaattaaga 60
gcaaaggact tctagaggat tttgatatga gaaattgtat ttttacacca tccttctca 120
acctaatttt gtacctttta ataaggataa actaattttg taccttttaa taaggataaa 180
ctattataac aggtcattga acacaaaaat tgataatatc tcaaatagaag tgatcctaac 240
gatgcatgat gatttgaggt tgacacaaaa gactaaaagt gcaattaact ntactttntt 300
tattttttct tattacatta atcattntat ctcatatggt gtattacata aaaatataat 360
ttattatatc aaaatcctcc anaagtcaag ctcttaatta t 401

<210> 23164

<211> 433
 <212> DNA
 <213> Glycine max

<400> 23164

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tgatgggttg catcttcatt tcatgttaat ttttacttat agcacataaa tatatacccg 60
ttgttggtta atttagtcat ccttattggc tcctttttct tacactacta gaaaaacagt 120
tttctacgac acagtatcta cgacggttgt ataagaactg gcttaaaaag tagtacggtg 180
gcatttttgt aattattata aggtttgaag cattttacga aatacattct aagacggtta 240
ttaaaaaccg ccttagaatg ttatatgaaa ttaaatttac tgcggggttt agtaaaaaac 300
cgtaataatt cagaaaaaaa aagaaataaa acgcgtcctc ccaccttcct ttcggaacc 360
ctaattcttg aagctggcct ccactcagcc tccctctcac tctcagctc tcatactctc 420
tcttctcttt cac 433

```

<210> 23165
 <211> 443
 <212> DNA
 <213> Glycine max

<400> 23165

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ggcaattgag ctcggacccg ggatccttag agcacctgtg gcatcaagtt tgcgcgctaa 60
gctgaaaagc ttctctagaa ttttaacatt ttgaattggg cttagtgagc agatgcgcta 120
agcgcaaggg ctcttaaaac tcaaacgtca tatgggcacg ctaagcgcag ctgtgcgcta 180
agtgcaccat acgaaactgc caaatattat aaggtagctg ccgtaggtag ttaccatttc 240
actcttggtg tgcattaagg ccattcattg catctaccct caacttgctt catttgctg 300
cattcctgca cctttgctat tctttgcatt catctacaca atccaagtaa gttgctttac 360
tttacttcat ttcgttctaa gttttcaacc ttaggataga taatttagtg attgttaggt 420
aaaaatactg tttatgctta gtg 443

```

<210> 23166
 <211> 567
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23166

caacactgac gccgacaaag ccgccaagcg cacgtcgaag acgaacggac gcngcgcata 60
ccaccacag cagccgcggc ttgacatgat tgcctccgaa agccanncng ngacactata 120
gaacacgcga gcggtcaag gaaggctgca caagaaagct ctccattgaa gcgacctgcg 180
gccacaaagg agaagcgagg cgtaacactt agccgccacc tcgacgaaag agagactgtg 240
cgagacatac tacaaagggc cagcggcgcc cctcgttgat accatcagag ccgagagccc 300
cccgcgcacg agctaacca cggacgagga caccaaagaa gcaatccggc aagcttctga 360
cccaaagctc agcgaggcgg agaaaccca tctcccatgg ctgataccct agaggaaggc 420
gcctcctcag acctctacgc cgtggacatc cgctgcatcc ggaaaagcac catcaaagga 480
cctgatagga gctcacacat ccagccgaca tagaagcccc acaagcaagg cgccatcaga 540
aaggcgggag gagaaggagc ctctaag 567

<210> 23167
<211> 410
<212> DNA
<213> Glycine max

<400> 23167

tttgcattha agcttggttg catcttcatg aaattttgga tgaacttgca ccatccactg 60
tcaataagaa caaattataa ataaaattac aaattgggag cacaaaggat ttatacaata 120
aattactccc tccgtccctt tttataacac catttcaact aatttgaacc ctttaagaaa 180
attggttaat ttagttaatg acattaaatt ttcaataatt tgtaatgttc ttccaaaatc 240
accctcttaa gttttttgaa attaatacatt tccctcttcc cacttaattg cttctcacct 300
agttgccact catcttcccc aatcctgata agagagaaaag tatttatctc attaaatttc 360
agcatttatt atttttttac taaaaaaatt gttaattaac tacagggtact 410

<210> 23168
<211> 358
<212> DNA
<213> Glycine max

<400> 23168

catcttgga ctcctcccct cggcactaaa ttgagaagtt ctacttgaac tggaaaacca 60
aaatattgaa aaagctgtat aagaagataa aatgcttggt ttcttgaagc tgctttaata 120

agtggttctgt tttgaagaat aaaatgggca tcttggtccaa ttcttgcttg tattttgcag 180
 gttccacaca aaagcctgaa gatatgtaca ggattattga gcactttgcc cttggaagga 240
 ggagactaga actatttggg gaagaccaca atatacgagc cggctggctg actggtggag 300
 agaattatca tcttccaatc ttaataagag gtaagatata tgaaatgcta gcatacct 358

<210> 23169
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23169

agctttgatc atctacctta tttctgacag ccagtgggtg aatccagtcc aagtgggtccc 60
 taagatgaca gacctcaca taattaagaa tgatagggat gagcttatcc ccataagaat 120
 gcagaacagt tggcgagtct gcattgatta taggaggctg aaccaggtaa ccaaaaaaga 180
 tcatntttcc ctgcctttca ttgatcaa at gcttgagcgc ttggctggta agtctcatta 240
 atgctttctt gatggctttt ctggttattt acaaaatcat attgctcttg 290

<210> 23170
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 23170

tcaacatcag accacttcca ggggtgctgga actactttac atgggtcttga tggggcctat 60
 gcaagttgaa agccttggag gaaagaggta tgcctatggt gttgtggatg atttctccag 120
 atttacctgg gtcaacttta tcagagaaaa atcagacacc tttgaagtat tcaaggagtt 180
 gagtctaaga cttcaaagag aaaaagactg tgtgatcaag agaatcagga gtgaccatgg 240
 cagagagttt gaaaacagca agtttactgg atactgcaca tctgaggcat cactcatgag 300
 ttctctgcag ccattacacc acagcaaaat 330

<210> 23171
 <211> 305
 <212> DNA
 <213> Glycine max

<400> 23171

tatgaataac gagaattggg ctctactgtc cccgatggac ctctatgcta actatccctc 60
ttttcggcga gttttccgaa tttcgccgca aagttcccct ttgatgcgaa cactaacacg 120
catgctgcga gcatgcgcgc ttacaccggc actgtgctgc catctcgctg gagtgaccct 180
ctgatcagaa gagctctatc caciaaccca acggcaccgg atgtgccacc acgcctccca 240
tactccgaca tgtcaccctc acgcacgatc ccctttctgg gacatgacgg tgttacacaa 300
cccac 305

<210> 23172

<211> 310

<212> DNA

<213> Glycine max

<400> 23172

cttttctatg ctgcagagcc tgcattatgg ctagctcttg atcatgcaaa gcttgtagaa 60
tgtggtgcac caacggcccg taatgagcgt tgaagaattt attcaatagg tggcctggcc 120
aggaatccaa ccttctcctt tgggaagggg tgaggcctcc gcagcccaag agcctcatca 180
agatcagcag gaggacattc cagaggccgt agagcctaca cctcctgaac cattcacttt 240
agagtctgat ccggtttgtg tacacgttca agaggatgtt acgacatcag aagcctttat 300
ttttaagctg 310

<210> 23173

<211> 272

<212> DNA

<213> Glycine max

<400> 23173

tagcttttgt taaagactat ttattttcat tctcttgcta cctcacggtt tttgtgcaa 60
actctctctg ttgggtccaa acttatattat tactcatact atctaagctt gggaacctcc 120
agatctgagt tcttggttca tatgacaatt ttcgtgctac cattattaat ggaagggggg 180
tcgttgcact tcttgaacca tgtccttatt gttataggaa gctccgcttc cttgcatgct 240
ggggagatgc tcaaagcctc atagttaatg tc 272

<210> 23174

<211> 109
 <212> DNA
 <213> Glycine max

<400> 23174

agctttattc tccagttttg tttcagggct ggccatcaga tctggtacat ctgccatata 60
 ctctaccggt cttaggcctc atgaactttc tcatattccg catcttact 109

<210> 23175
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 23175

ttattgtatc gaatctaaca agggcgagtg gttttcggat attatataga cgctcgaaat 60
 tcaaaagaac cctcacagcg aaatgaaacg actttaactt attactagaa cgttcgaatg 120
 aatctccgta agatatagag acgctcgtaa ctgacaacac aagctctgat caaagtagaa 180
 gataatagct atttactcgg acgtgcgcat gtttcctgta ggatatctag accctcgtaa 240
 tagataccag aaacccatat caaactgtaa acggctttag atcattactc ggaaggccga 300
 atgatatcca gtatatatcg aggcgatcgg tattgtaaac agaggcttga acaatatgta 360
 cgacaatagc ttttaacc 377

<210> 23176
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 23176

ttgcatgcc a gctttgttcg aggatgccta cccattaccc attaaatata gactagttga 60
 tagggccaca agaccctgcc tacttagctt cttagatgca tactcagggg acaaccaa 120
 acggatgcat ccacaagatg aggagaaaac aaacttcata acctaggcga ctaactattg 180
 ctatcagatt atgccattcg gcctataaaa ggctagctcc acttaccagc acctattgga 240
 catgatattc aaagaacaaa ttggaaagaa aatggaggta tatgttgaca acatgggtgg 300
 atagtcta at gatgcagaat cacacaccta tgattttgaa gaaatatattg caaagatctg 360
 aagcctaaca tgtaactcaa ttcgaag 387

<210> 23177
 <211> 295
 <212> DNA
 <213> Glycine max

<400> 23177

agtaattata cagcatcaca atcctaattct cgttctatct gcaatcaaaa tgttatgctc 60
 tattcctaga aacctaatgt aaagagtaaa ttcatcagc tcagattcta agagtacttt 120
 ccaatcaaaa ttaagatcca atttcatgaa acttgtgatc aaatagaatc aaacattgag 180
 aatagaatga aatcaccaat aatgagtata aaatattcat acatatatat aatatcacia 240
 gagataccta agggatcaaaa gaatacattc catcctttag agaaactaac cgatc 295

<210> 23178
 <211> 323
 <212> DNA
 <213> Glycine max

<400> 23178

actgggataa acttcttgaa gggcttcttt gtctgcttgc attccaagca atttctacat 60
 ttctcctgtg gttattgtag ttgaagaatt ccttgtgcca acttgtgcat ttgagcaaaa 120
 tctttgaaat tcaagtgtcc aagcctacag tgccaaagcc attcttcttt gttgctcaca 180
 gcactaagac attcgtgctc aaatgcttgc gttccaattt tgaaagttct atttctggtc 240
 aatgggtgtt ttatgattag atttctgggt ttgtcatata ccagcatcat catgtcctcc 300
 atagttatct taaagccttt ttg 323

<210> 23179
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23179

gatagaaacc tcattcagtc agctggggtg cagattgcta ttgactttgc caaagtgttc 60
 ctctagagaa gtttaacgat tctggaggag aacggacagt ggcaccaaga ggctctacgc 120
 aagggtgttg ccttggagac agagggtgcc aaatagaggg ctactactcc cacagttaga 180
 gataggagcg ccctaaggta gctaaagcca tcattcacctt tgctgaagtt gtgagggtcg 240

accaccaact atcttccaag gttggcagtg tcttggccaa attgctatgc acaaggttgg 300

acagtgatga actatccaca cactgcaagg ggttgcagga agaggganag gacttggct 359

<210> 23180

<211> 360

<212> DNA

<213> Glycine max

<400> 23180

agtttgtcgt ctcgagatg tccgactatg ctcttgtgtg gtggaagtga ttatgcaagt 60

tgaagtggac gtttccattg ggaaatacaa tgataaggta ctttgtgatg ttgttcctat 120

ggaggccagt cacttacttt tggggagacc atggcaattt gataaaagag ccaatcatga 180

cggttacacc aacaagatct ctttcattac ttttgggtgtt gcataaaaaa tgtacaatgt 240

aagtcggcta ggtatttttg tgcgagctca accgacattt tgtttcgagc gaaactggca 300

tgttccatt tatattggcc agtaaactat tagcccacct cggcataaaa atatttgcta 360

<210> 23181

<211> 386

<212> DNA

<213> Glycine max

<400> 23181

agcttgttta gaataacaag atcaaaatgc acaatttgct acgtgacatg ggaagagaaa 60

ttgttcgtca aagttctcta gaggaacctg agaagcgtag tcgattgtgg gttcaccaag 120

aagtgcttga tttgttgta gaacatactg taagaacttt ctctacatat tattttgaaa 180

cttttgatca tatgtgtttt tatcatgatc acaaaactaa atttaaataca tcttgttctt 240

tttaagttat gctaattttt gtgggattca ttgttcacaa aaataaattt gaatgattct 300

gctcttttaa tgtgatgcaa tggtattaga cccggattta ttcagaccat gttgcttgca 360

aaccagtgtt cgactgtctg aactac 386

<210> 23182

<211> 417

<212> DNA

<213> Glycine max

<400> 23182

tgtaatgtcc tccgacaaac aatatatgag gatgggttatg ttagaacacg aaggaaaaat 60
 taaaagccgt ttaacaatgt attttttttt taaaaaata aaaaattaaa agacatttttc 120
 ttccataccc attcctcatg aatgaataaa acattcaact ttgatgagga attccaagaa 180
 tatatcccaa cgcaaattaa aatagttctt aagtttatcc cttgaaataa tgtgaatata 240
 tctttcatca tgcaatgaaa aaattaaatg atgcctacaa tcttttttat cccttgcaac 300
 aaatatgtgg ttaataatat aaaaaagatt attatcttat ttattttcaa aattttgtcc 360
 agccaaaaaa ggttgtgtta atagaaacaa attaaaaata atataataat tatgtaa 417

<210> 23183
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 23183
 tctatttttg cccttgcaaga aattaatgtt ctatctaatac atgacagttc accaggaaat 60
 caggttactc tttcatttga agagtatact gctctgacgg gcaaagctcg agatgcagag 120
 gaacaatcta agaagagagt tgcaagttct atgcttgaag ttgacgaaac aagtttgtcg 180
 aacatggaca ttttgaaaag ggtagaagaa gctacagaag aagttaaaac tagcaagaag 240
 gcccttgaag aagctctaga aggggtagaa gctgcgaata gagacaaagt agcagttgaa 300
 gaggtcttaa ggaattggcg atctgagggg caaaataagc gttcttctat acacaactct 360
 accaagttca aa 372

<210> 23184
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23184
 taactaggat aaaacttcaa aagagtagaa ttccatgtcc aaagaatggc tttcctagac 60
 aattcttata gtttgtgggc ttcattcttt aggctatgtt gaaccttgaa aggtctttcc 120
 tatttagctg ccaattttcc ttcttgatga atcttttcag gcttcacctt gggttgtcta 180
 gacaaggctc cctccttga actgcctaag cattaatttt tagttaaacc gccaaagccat 240
 gtactgcttg caagctttga ctatgatgat tgtattttct cgcacttggt ctacgaggtc 300

tagatcttcc tgtaatgctt cattgttctc gacctctatg aaaatttgtc gccttagtga 360
tatttccccct acttctgttg ggaccatagc attcgtcccg tacatgagcc gaaatg 416

<210> 23185
<211> 379
<212> DNA
<213> Glycine max

<400> 23185

agctttgagc caaaatccca acttaccata aaccttgaac cagggtgaga atatcaatcc 60
ttgcccttag aagaaaacac aaaaagaagg aaaatcccca atcaaagaaa gggagaaagc 120
aaaaaaggaa agaaaattcc caattaaaag agggagaata agaaaagaaa aagaagaaag 180
ataatcccca atcaaagatc ggaagagaac agaagatata tacagaaagg tctttggacc 240
agacaatatc tgaacaatac agaattgtca ccaagaaaac atggcaacca aaaacctgtg 300
cgtcagtggc ttgttcacct cgcgccaaac aaaaacagaa aagaataagc caaaaacact 360
caaagccaaa tttcccacc 379

<210> 23186
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23186

taagtggaca agttccacaa atttgtttta tttttcttat taaaagggtat tcttttntta 60
tttcactttc tcccatgctt ttaattaatt taaatttttt catatattac atctttatga 120
actgtattcc tatgaaatat gttaattggt ttattatttt attgcaatga ataattgttt 180
tcttgcaa atgtgtgatt gaaaaatact antggtcgaa tggatgcang tgagccgcat 240
ctgctccata aaatatttat taattaactg ttatatactt gagttttag ttggattttct 300
tggtacagtt tataggattt tggttgggcc ttagtaatta gttaaaatag tatatctacg 360
tgattcaa attanggggt aggaattacc ttaataagat gaaagggctt caaccatgac 420
ttgaacttca tatgatg 437

<210> 23187

<211> 396
 <212> DNA
 <213> Glycine max

<400> 23187

agcttgtcta atactcatta gacttgatta aaacttaaat gagttaatta aaccttgaat 60
 gagagaaaaa gattagaaca acagaagaaa gacacgatgt tttatactgg ttcactctct 120
 atttctagag aagctcatcc agttatctaa tccacaacct gaattagatt ttcactatgc 180
 atcaagaatc cttacaagca atcacaacca atcaaccatt ccctggaaaa agagactaag 240
 gcaccaaca ctagggctct ttgtgaatat aagcctaaga gaaccctact cttagcccaa 300
 actagaaaac cctattctag catgttgtaa gcaattcatg gataaaaaac agaccgtgtg 360
 aaaaccatac tcaagaaaaa acaagtagga gagata 396

<210> 23188
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 23188

attaataatt aattcaaccc ttcttcttaa ttattccgag gccacttgat ccaacaagtg 60
 gtatcaaagc aagtatcttg tagaaagttt cacaactacc agattcatgg cctccttaaa 120
 ttttctgttt ctggaaggaa attccatcca taggccaccc atatttaatg gtgaggggta 180
 ccactattgg aaaatccgaa tacaatctt tattgaagcc atagatttaa acatttggga 240
 agcaatagaa ataggacctt acataccac catagtagat gtaagcacta gcaccacaac 300
 acaaaaacct agagataagt tgactgatga ggatagaaga agatcccata ttatcttaaa 360
 gaccaaaca ttatcacttc taccctatga atagatgaat at 402

<210> 23189
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 23189

ggcctgtta tacttgcgaa tctttctgaa cacctattcc aagactgtga tgtgtcgggt 60
 catgctataa gacttgacag gcatgtcatc aacatagacc tcgatatttc atcctatttt 120

ttgtttggag acccggtcca tgaacctttg gtacgtggcc cctgtagtct tcaatccaaa 180
 gggcataacc atgttacaga aattgatgtc ttcaattatg aaggcaattc tctcctcgtc 240
 aggaggggtgc atcctgatct gggtataccc tgagtacgcg tctatgaaac ttaacaactg 300
 gaaacccgac g 311

<210> 23190
 <211> 193
 <212> DNA
 <213> Glycine max

<400> 23190

ttagctctct ggccgagaat aagggttatc gagccatgct cgcttaaccg ctgtgctatt 60
 tcagctaagc caatgtgtct cggttatcca gagtacttgg tagtgtgtag tcgtgctaag 120
 cgcaacttgg acgcttaagc aggactatta tttttataag gcgtgctaag cgagccaatc 180
 ttcgtaagcg ccc 193

<210> 23191
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23191

agcttattac tttattnttt cggatcgtgt aatttaaaac ttataattga tagcagaaaa 60
 taaaatttat aacttggtta aatagaattg tttgatatat ttaattattc tatcagttga 120
 taaatataaa atgatataaa aatgtttata tactattgtc acataaaaaat gttnttttagg 180
 taactataat tttaaatatt tgattccttat tttttttgga aatatataat atttttattaa 240
 aaataaaata tcagaaagga tattaataa gttaaaagac ctataactat taagaagaga 300
 tgataaataa agtggattaa agcaagaata aaaatgaaaa gaaagaataa tattactaat 360
 acatgctttt aacgagttat aagttaac 388

<210> 23192
 <211> 315
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 23192

aactttttata atgaataagc ctaataacga atgccaacaa tatgatcacc aaatgtcacc 60
ttaaacacca caaccagtac aaacctttctt cattcaacat gtcataatgga ccaagaaaga 120
aaaacaaatt cgtttaacaa ttcagtcaca ctaaacatta tagaacaact aaaactaacc 180
taacatccct aaaaaaaaaac gtaaaccaca tctatgaatn gactaaccga aatcccataa 240
attacaactc atacacggga tcaaaacacc taaacaacaa atatagcata accctgtcat 300
gtagataaca accaa 315

<210> 23193

<211> 360

<212> DNA

<213> Glycine max

<400> 23193

agcttttacac agttttatfff tctcaaactt gagtttttga agaccaatta ctaagtcttt 60
cctaattaga tgattttaaat gattcatatt aatgtgtgca gtcctacaat accacaacca 120
tgaatcatct atcttactca ccaagcaact tagctcatga aaaactgcat gctcaacatt 180
cagcatataa atgttaccta ttctcttacc aatgtggata actttatogg atatggcttc 240
acttataaga catcaatcta tgttgaattc aatcttgaaa cctttatcac aaagttgact 300
aatacttaga acggtatgct ttaatccatt cataattaac acatatttca tctaaggttt 360

<210> 23194

<211> 378

<212> DNA

<213> Glycine max

<400> 23194

actcagcttt atacacacct attaagttgc cactcaaaac tttctatgtc ttgttttaat 60
aattgttttcg atagacattt ttatgtgaag aaaataacaa agtaaaataa attgagtttc 120
tctcgtaaatt aaaaatcaac ttatgcactc aactttttata gaaattctct taactggata 180
attgaaatgt ataagttaat ttttaacttat ggaaaaaact aaactcattt tatcataact 240
tctttttttta taaatactca tgggaaaaat attccaattg gataaaaaaa agatgaaata 300
gcatttgttt aatagcaaca tgtgggggga catagtgaca tgaaattttt aaagctagtt 360

acctccagat aataaaga

378

<210> 23195
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23195

agctttcaca acaaatttct aaatatgttt ttgaacaaaa tgaagtacgt aactaattac 60
cactaatata tactgtgact acttagaagg aagggatagg tcatgattag tccaacctaa 120
tctgcctaata taaactaatt acacaaagca aagcctaaat tcgtaaccca attattcaag 180
tgcagagggt ctgacttcca atattaattt gaccctcaaa atggaaggat tggcccaagc 240
ttattgatgc aatcctccca aggaggggac ccatcaccat agccatgact aggagactcc 300
aggaagattg ggctagggat gcaagagaag gccctaaggt tctcatgagc cttangatag 360
atnttggggc catgggctaa gtatgaaccc acttatcttt 400

<210> 23196
<211> 193
<212> DNA
<213> Glycine max

<400> 23196

catcaaattct tacagagaat gggctgttaa acttcaattt aaaagcctta acacatctca 60
agatttgcac actaccaata tagtgctgtt gatagcacct caactgtgca cattctctct 120
tttgatggaa atttttggca tataccaatt atttttccat gacagagtga actttttaa 180
tgattaatc tat 193

<210> 23197
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23197

gaaacttcct gcttttattc cttgaccaca aagtgggtacc tggagatatg tcgcgggggt 60
caggaaacct tggggacgtc aagtggggtg ctattgcccc aaaccaagct tgaccaatcc 120

cgaccaacc cgggcatagt cggtcagtga gaacctgtga tgtacctaaa caagcgagct 180
cctggcagtc aacagataaa aggaacaaag accacaaagc anggaggctt gtggtggctg 240
gccagccatg aacttgattg atgtgtgaga tatggcctct ggtaatcgat taccaanggt 300
gggtaatcga ttacaaggct taaaaatgaa gacaggaggc taagatagtc tctg 354

<210> 23198
<211> 416
<212> DNA
<213> Glycine max

<400> 23198

gcgtagccca ccatctttta atagtaaatt accgataatg ggtctaccat cagcattatc 60
gtctcccttt ttgcacatgt tctgtagttg catcctatcc ggaaccatat caaaataata 120
ctgatactgc ctaacgaagg caaccattag gtccttccaa gtatggactc gggaagggtc 180
caagttagtg taccaggtaa caactacccc agtaagactt tcttggaaga aatgtattaa 240
cagctcctca tctttgcgta tgcccttate ttctgacaat acatcttttag atgggtcttt 300
gggcaagtag tccccttgta cttgtcaaag tccaacacct ttgacttggg aggggtgatg 360
atattgggta ctaagaacaa ctcttctatg ttaggaaagg cataatcttt acctcc 416

<210> 23199
<211> 362
<212> DNA
<213> Glycine max

<400> 23199

agcttttggg gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattgcg aatgcctcta acagcacctt tgtcaatgag tttcttcatg 120
cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcac tcttttggag 180
gatagacatg tggaggagta actggtttct tgagggtgcc ataggtagca gatgtccttt 240
gatctgctgc cctttattag aacttcacac ttctcatttg tctaagca ttctgacctt 300
gtgaagttaa cattgaatcc ttcacacac aactgactga tgctgatcaa tttgcagtca 360
gt 362

<210> 23200

<211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23200

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actgtgtcgc atcgtaagtg attctgtaat cgaaccatta actantcacc cncctttcn 60
cnncagaga ttatgataca tacactagca tncngngaca ctatanaaca ctcaagcttc 120
ttattcaaag ctcatcttgg aggtgaagct tctttttcca tggcttattc cctaattgat 180
ggggcctcct ctcacctact atcctttggc ttccgctgca atttcctggg ggaaaatcac 240
cattaaagga ctcccttgaa gctcaaagat ccaacctcct aaaagcccca caagcaagcc 300
ttcattcagt ggtaatcaga gcacaagagc ttcaagtaag tgctccttaa acctccatta 360
attatttgct gtacgttccc ttccattggg gttacttcat tttctccatg tatctcctca 420
catgtcttgg gataaatggg tgtaacatga ttctttatag tttccaccga taatcttgct 480
ataaaagcta gatatttttt tctattgctc aaatatcttg ttcttgtcta taaccatgaa 540
ttgggtcgac ttaaggctcct ttgaat 566
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<210> 23201
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23201

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agctttatgc ggcataatth tagttgtttc ttcttccttt atcttttaag atagtccata 60
caatcaggtc tctccaatth caagacatgt tattctatta agaaattata agaactttga 120
atthtttaaaa ctattcatat agacattagc aactcacatt gttttaaata gaaattatgt 180
gcgtgttttg atgaacatta atataattga ttntgaatga aattaattht ataaaattga 240
tttaaagtaa tgtgatttat atttgaatgt ttttaaagta tgttaggagt aaaacttaat 300
attaaaattg tgttnttata catatatnta tgacaaatac taattacgtt gnccatgatc 360
tttttatgth cacctatgth 380
```

<210> 23202
 <211> 300
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23202

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aatggagaaa gtggatccca gcttgtcttc actcagcaac catttctatc cttattaatg 120
gcagccctac aaaagagttc accccatcta gaagcttgag gcaaggagac cccctaaccc 180
ctttactctt taacatagtt gggaaagcat ttcaggccta atgaaggaag cagtccggaa 240
gaatctctat accactacag gttgcgatga aatatgagcc cacaatattc tgccaaatgc 300

<210> 23203

<211> 368

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23203

tttgcattgca agcttgcctc aaatttacat tgatgtttgt attgatggga ggaggttaca 60
tgccattttt gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc 120
ttcgcaggaa tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc 180
gaaggaacta gttccgcccc ggagtatgac agtcaccgct ttatgagcgt tgtacaccag 240
cagcgcttcg aagccatcaa gggatggctg tttctccggg agcgacgcgt ccagctcang 300
gacgacgagt atacntgatt tcangaggaa atanggcgcc ggcgggtgggc accactggtt 360
actcctat 368

<210> 23204

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23204

cttgaataan aagtcaagag atgtaactct tcttatgatt ntcaggtttt tctcaagggt 60
ataactcttc caatggtttt cttgaccaga cataaacagt ctataaaaagc aagaccttga 120
cttgcattcg aaataacttt tgaacatctt tgtgaacttc ttcttcttct tcttttgcca 180
aaagctttct aagttttctg ttttccaaac ctttgtcttt cacagaaaac aaacgtgtgc 240

tatatctttt cattctcttc tccctttgcc aaaaataatt cgacaaggac tagcctccta 300
aattctttnt gtgtctctct tctccctttt ccaaaagagc aaaggactaa ccgcctgaat 360
tcttttgtgt ctccctttct ccttttcaaa gaattca 397

<210> 23205
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23205

agctcggccc cgggatcctc tgagtctcct gcggcatttt actttgcttt tcattnatgg 60
gactggagac cttgctcaca cttacaaata tggaaatgac agcttcatgc agcatacaca 120
aggatcttct agtcgcacta aagatgctgt agagattaac cgactgcggg aggagctgcy 180
tcaatcaaag gaggagatat gtgtttttca atcagttgtc cttcaattcc taccttctaa 240
agcgcgaaac attattcatc atcatcatca tcatcatcaa caacaacaac aacaacaaca 300
acaacaacaa caacttcacc ggtagcaaca agaccaacaa caacaccaac actagcaaga 360
ccatgtagat gacccgcang cagatgacca acacgaacat gatgaccaac ag 412

<210> 23206
<211> 372
<212> DNA
<213> Glycine max
<400> 23206

tgttcttcta caactcgagg atgacttccc tgtctgttcg aaccttctcc actcgaaatc 60
gcagttcgtg aaaaaatgag gttaagcttc ttctaacctt cttttatggt aagcttcgaa 120
gaaaccaat caataagggt cgtgtgaggt cacgaagctt gtattactac tgatgtatgc 180
taatgttggt ggcacggaag atgcaagtca cgaatgagtt attgatgaac aatagctact 240
gggctaaaag agttaacacg gttgtgcttt ataatcatat cttctaattg ttaaggataa 300
ctgcgtaagt gcatcctatc tagtggtgtg aatcgtaa aa atgtatgect tggaaacgac 360
atggttagata tt 372

<210> 23207

<211> 374
 <212> DNA
 <213> Glycine max

<400> 23207

tttagcttgc attattttac ttaggttgtg ttcagcatta caattaacaa aaccaaatac 60
 attattaact gaaaatgaat gaccaataac agacaaattc cagaggccaa tatcttcaag 120
 acaatttgga agctgaacat ccccccaagg gctgcggttt tctcttggag acttatcaaa 180
 gatagattat ccactagata taacctcett aaaagaaatg tgcccattca ggacaatgaa 240
 tgccctctct gtgggtatta ccaagaggag gctggccact tgtctttcaa ttgcaaattg 300
 accagaggac tatggtggga atccattatg tggaaccaga tggtaggacc actttcagct 360
 tcttcagcaa ctca 374

<210> 23208
 <211> 359
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23208

tgtcatagaa tgaacaagta gnnagctagt tgtggttttg ttncctaacc ctcttgattt 60
 acttctgctt aattctgccc gtctgctcca tatgcaagag aatcatgcct ctattggaat 120
 taaattttcc aacactctaa gttaattgaa ggtctattaa cagggtttta gattgatctt 180
 aactcccata ccctcaaaaa ttcacatag ctgatatac gtggacttta gaatgtcata 240
 ttgggagtga ggttttgatg cacatcctaa ttaataacta gataatttag atgttgtaga 300
 tttccacagt tcacagttct aagtatagac aacacgttta antaaattag ttctaaata 359

<210> 23209
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23209

agcttgaggt gagtntattc gttatctacg aagaatcaaa ggcatatagg ctttatgac 60
 ctatctcata aaggattata gtaagcagag atgtgggtttt tgaagaaaat gaagaatgag 120

aatgggacaa acaacatgag tcaactgata tatgcgagct agaatgggaa gatgatgaaa 180
 aggttggttc caaagaatct cctatagaag aagatgttgt tgatgcacaa ccggaggagt 240
 ctcttgtcac taatcaagaa acttctgaag ttcttgtcaa agggaggagt agaaagcaac 300
 cagcttggct aagagactat gtgttcggtg aagggttgct agaagaagag gctgcatttt 360
 acttaacatt ctttgccttg gatact 386

<210> 23210
 <211> 366
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23210

gagatattct gacatgttat taggatctag cttaccaagc atctacttaa ccctggcatt 60
 tatcaagaaa tttaaggtct attatattta tactgaagac agttgcaagt ctgtactttg 120
 ttcacatttc aaactcagta gatcttcact tcaaaggact ttggtttagag atataaaact 180
 atntttgtac atttcattta tccagaaatt tagggtaata ttatactaaa gacagtcgca 240
 agccagtagg ttcatatttc aaactcagca gatcgtaatt ttttagaagt tcacactgag 300
 aaaacagaat gaacaaggcc gcctaactta gggatatttt nctcaagata aaatccatca 360
 catctt 366

<210> 23211
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23211

agcttgtatt gtcactctta tcttgactag ttaaaacttt ttgaataaaa tgagtttato 60
 ccatgttttg actccgaagt cagtgtgaat caaatcactc ctgcatttta tctctagcat 120
 gcattcatta ttttttacct actcctcacg tttggttttt taggaaaaac accataacta 180
 aacgcgcccc aaggcatccc tatcgcacca gatccaaatc tagaacgatg ggtgatcaag 240
 cggagacaca ggaatagatg aaagccgaca tgtcaacttt gaaagaacaa aggggatgct 300
 gagttctacc acgcaactct tctagctacc acgcaccatc ctnccccana tgcggttaga 360

cgaggaagga gcacactggg gcacaacagc aacccccca

398

<210> 23212

<211> 361

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23212

tcttatccaa agctcatctt ggtgggtgaag ctctctcttc catggcttat tccctagtgg 60

atggcaccgc ctcttacctc ttctcctttg tcttcgctg catcttcacg gtggaaaatc 120

accattaaag gacctcattg aagcccaaag atccaacctt cataaaaagct tcgcaagcaa 180

gcttcatta agtggtaatc agagcacaag aacttcaagt aggtgctcct taaacctcca 240

ttaattnttt ttctttacct tctcttccaa ttgtggttct tcatttttct ccatgtgtct 300

cctcacatgt cttggtctaa atgttggtat catgattctt tagaagttcc atcgattaaa 360

c 361

<210> 23213

<211> 387

<212> DNA

<213> Glycine max

<400> 23213

agcttttctaa gttttctggt tttcaaacat tggtctttca cagaaaacaa aagtgtgcta 60

tatcttttca ttctcttctc cctttgccaa aaagaattcg acaaggacta accgctgaa 120

ttctttttgt gtctctcttc tcccttttcc aaaagaacaa aggactgacc gcctgaattc 180

ttttgtgtct cccttctccc ttttcaaaga attcaaaacg atgcagtctg agaattcttt 240

tgattcttcc ctttccctta aataaaagat ttcaatggag taaccgctg agatatcttt 300

tgtttccct tcacaaagat tcaaaggact aaccgctga gaactttatc ttaacacatt 360

ggaggataca tcctttgtgg tacaagt 387

<210> 23214

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23214

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attaatgatt aaatatggtg aaataaagaa aaaaattaaa ataaagtgag ataaaaatatt 120

taatttgata aaatttatta acttctaaaa tgatatacag atacacgtgt atttaggaat 180

gaaaacataa tatacatggt aattcataat ataagaaaaa gttataatat tttaaatta 240

gcataataaa aatacagacg tacacgtggt tgtatttctg ctagnatat ataaattaaa 300

ttattaaata tanaacacat taatttttaa tcaacatact ctattagaat aaatgatcta 360

tactggtttt caatggtaat ttggtggttt tgtttaaatt tgttatattt tctaa 415

<210> 23215

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23215

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aaattggcgc gtgttaaata ctttggtcct tgtttgttgt tccttgcata atgatgcaca 120

agtcctctac atatctaata cttgtaaaat atacaagtag atctaaacat gcaaataaat 180

tcaaatagata tatttagatc aaacaacgga aattaaatat tacgagcgta cctccaacca 240

ttgcaaatac aacgctaagc ggtgcataca tgaacctaaa gacagttntg ttcttccaga 300

cccttactcg ctctgaatag atgatgtatt tttttctgaa tagagaagtc agtttgggtga 360

tacaaaactg agaacacccc atcctatnta tagagt 396

<210> 23216

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23216

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agtcatacaca taaataactt cagcttcaca cagtgcataa atccttatgg cagctctcat 120

gtagtcagtg aaaacaaagg gcatntaaat tttgctgaaa cagatttctt gtagcatatg 180

cagggcctttc tggagtgtat gtctgaatgt tgaaatttaa ttaaaaggggt agtcaataat 240
ccagaaacaa atgatggaag tcaagtttta tttatcttta aagttgaagg ctatacatgc 300
atgaagcana aagatggatg atgagtgaag atgcaatgta cttaatatga aatttactgt 360
attaggaaag t 371

<210> 23217
<211> 384
<212> DNA
<213> Glycine max

<400> 23217

agcttatgag aaatccctgt tttgtggaga gataagtcct tgtttggctg atttaaagca 60
tttgaatcac ttgaacttga gcggcaatta tttccttgga gcaggtatgt caattccttc 120
tttccttggg acaatgactt ccttgactca cctcgacctc tctcttactg gattcatggg 180
gaagattcca tctcagattg ggaatctctc caatttggtc tatcttgacc tcggagggtta 240
ttctgtcgag cctatgttag ctgacaatgt agaatgggta tcaagtatgt ggaagcttga 300
atatcttcat ttgagttatg caaacctatc caaagcatta cattggctac acactctcca 360
atctcttcct tctttgaccc acct 384

<210> 23218
<211> 367
<212> DNA
<213> Glycine max

<400> 23218

actcaagctg tagatttgca agatcatctt cgtgacaac tccttgatta ttattgccat 60
cgatatgaag aagtgacaat ttagagagtg atccaagact ttcaaagga tttccactga 120
atttattcat agagagatcg agatatgtta aatctgtctc ccttgaggtg cggagacttc 180
ccaaaaaagt cggaattggt ccttcagttg aagatatgac aaaacaagtt ctacgagaga 240
agtcaaattt ccagagaag ttggaatggt tccttcaagt tgattgtatg acaaagaag 300
ttcaacatga gaagtcaaat ctcgcaaaga agttggaatg ttccttcagt tggttacctg 360
ataaatc 367

<210> 23219

<211> 384
 <212> DNA
 <213> Glycine max

<400> 23219

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gcaaaacagt tctccacatc cacaaatcac gtataaaccc accatcccct gttgcccacc 120
tcaactgagc tcacgtactt ccacgtagct cttatcctcg ttcctctcta cgccgggtcc 180
ccatcaatcc tccaagctt ccacaacatc caagtaattc aacatccaag catcatgaac 240
taacatagcc aagaaaacag ggcagaggca gaaaactctg cccaaaacac aaaccaacat 300
cacagctttt cacactcaaa taccacagta atattctcct cgttccaatt cattaaccgt 360
tggatcgact cgaaaattta ctgg 384
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<210> 23220
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23220

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atggtgcctc cctccccctc ttctcctttg ccttcgctg tatctcaatg gtgaaaaatc 120
accattgaag gacctcattg aagctcaaag atccagcctc cataaaagct ccacaagcaa 180
gcttccatca catatctcct catatgtagg ttcctgacc ctaactatgg tgttaaaatg 240
gtaaatttta taataaactc cccacaccta tegtgaagta cctgaggat tctcgtcat 300
gtcacttgaa gattcctttc tgctcttgc cgttgattcc actcaagcct ctaccatgcc 360
aaaacgaagg agacttagta tggattttag aaagctagtg acagtgtctt ggggtcanaca 420
cccacatcac tacat 435
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<210> 23221
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23221

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agctttggta tatagtgatg aggtacaagc cctaaaggca gagcttgaaa gagcccggt 60
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agtcgaagag aagttcaagt ccatagccat caaagtctga aaagagtatg atgaactaag 120
ggacgtcagt atggccacag ctgaagcctt ggaacgagaa accaagaagg ctcgaaagga 180
agaacacgac caaaacaagt tttgaggggc tttatagggc agcaatagtg agctcaagct 240
ccgaagaggt gaaaggaatc atcacgggtc aaaggcatga tctggaagga ggagctaaag 300
gtttgcctta ggtcgaaaag aaatttgtcc caacagttaa gcgagactga agggaatatg 360
tgggccatca tcaataagtg caaaga 386

<210> 23222
<211> 332
<212> DNA
<213> Glycine max

<400> 23222

tatccttatg gcctgcctcc ggacatcacc ccttggtgtc ctctcgaaga ttttaagccaa 60
gccctactt tcgaggagca acttccacct ttatgaagac tatcccgggc aagacgatgg 120
ggaaggagat acccatcttg gccccctgct ccacctcaaa gatccgtccc cacatgaact 180
atcccaatcg aacatagtcc gccatatccc agcctcacc acaccgtaa aagaatctgt 240
tccttttgcg gaagataagg gaaagattaa ggcgcttgaa aagagggttaa gagcagtcga 300
gggccttggc aataccatt ctgggatttg gc 332

<210> 23223
<211> 377
<212> DNA
<213> Glycine max

<400> 23223

agcttgaaat cagatatgtg gaaggtagtt tggactatga ttcacagctt tgcattgtcta 60
gggtttctag agagaaaaag gtccaagttc cagagagttt tgagagattt ttccgtgtga 120
agatctatag agaccagagc ttgaagcaag agccagtttg agagcttgag atgagtttgt 180
gagtgattgt gagattctac acgtgaaaga gacatcctca ccacttggat ttttgcaatc 240
tttcatcttg gtcttctttt agtagtaaga aggcttcctg gtatggaaaag ctatattctc 300
tgttggtatc tccctgtagg tacctgatgt aaaatatttc tatctattta gcgatgggat 360
gtgtggtctc tatgcta 377

<210> 23224
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 23224

agctttgttt ttttggaggc attattggct tctcttcctt taattttatt ttaatagcca 60
 catgctgata ttcacgtgtt gtgcatttag atttgtgctg atgtatgaaa gacaaatctt 120
 tctctctttc acttttaaaaa gacatgcagt gggtcacaca tggggatggt gaaagataat 180
 gtgaggcaat atacattgcc catatttact ctgtagtcta tatatatact tgatcctaag 240
 gaaggtggtg atattaattt ttggaataga atcttctgat tattgaatat ttatttggac 300
 tgtttctatt tcatagcatt gatgcaaggt attttagagg cttctataga ctttgaccag 360
 caaacatagt gc 372

<210> 23225
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 23225

ttgcatacat tccatacaga tgacacacac aatctcagtt tctgtgattt gcttttgagg 60
 gcccatgtta tttcttttag gaaaattatt ctgatttggg agcagtggga cacagctata 120
 tgactttgtt tcaaattgcc taggggtgca ttgcttcaca attccagtaa atgtaattct 180
 tttttggatt accgattata aagttactgc tatcattcta ttacataga aatgacttgg 240
 tatcatgctc tattata 257

<210> 23226
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 23226

agcttggttt gatgtactta cccgttgaag actgatgata accaagaacg atccatgaat 60
 cttgaataac ggtcgagaat ctctcgaga ttactcacgg aaacgttact gaagcgctg 120
 ggcttggatt gtattctgga gaaatctatc tcagcaaatt ctagagaggg agaagagtct 180

aaggggctga accctttcct tcttcacttc ttgcgctata tatatcaaaa tatgggagaa 240
gctggacgcc cagctcgacc aggcgagcgt ggttgctatc tccataacga acggggccatg 300
tgggcctgga tgetatttac accacacttt ttact 335

<210> 23227
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23227

tgaagtcatt tggatgctac gcttncccat atttcttcta tttcatatcg agtanccggt 60
atgcaagatt tatgctaaac ccctgttatc attagttatg cataactgaa acattgttaa 120
atctctcttg cactaactag agttacgaaa ctcttgagta tccctagatg tgtaagccgc 180
gtgctttgca gaacttgtaa cactgatccg agactagtgt aaatcacacg agatgtgatt 240
gctgcaggaa taccatcttc ctgttttc 268

<210> 23228
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23228

agcttatgct gcaaacattt ataatagacc tgctcagctg caaaatcaac atcagcagaa 60
taattatgac atttcaagca acagatacaa tccaggttgg aggaatcatc caaatctgag 120
atggacaagt cctccacaac aacaacaacc tatccctcat ttccagaatg ctgctagtct 180
aagcaagcca tatgttcctc ctctattaca gtgacagcaa cagcagcaat cacaacaaag 240
acaacaagaa actgaggctc ctccctcaacc ttccttagaa gagttagtga ggcaaattggc 300
catccagaat atgcaatntc agcaagagac aagagccttc attcanagtc tgac 354

<210> 23229
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23229

tttagctttt tcttaagctt tttctacaac cttttctccc cctttggcaa catcaaaaag 60
ccaaagaact cggaaatcaa cacagatata acaatggagt agaaagatat agatatcaga 120
gtataaaaaca caataagcca aactcacaaa gaagaagtaa tcaaaccaga atccaaataa 180
ctgaaaatgt caacaaccac aaaacatcca agactgaaat ttanaaaacc acaagataaa 240
taagcaaagt acttagcaaa atagtgtaaa ttctaagaaa ctaaaagcca aaatacacgg 300
cttataaaaag acatataatc agaaactaaa atctaagaag acggagggtgg tgggtggaaga 360
tcgaaactct gacgaat 377

<210> 23230

<211> 408

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23230

ctggttctta atttttctaa gttctttaac aagctttggt caatatactt gcccttcatt 60
taactgtctc tgggcttggg ggccacgctc aacaaagtac tttcgacacc tactgtacgt 120
tgatttgacc aaagctgtta tgggaatggt gcgacaatcc ttcanaacct tattgataca 180
ttctgagagg ttgnngtgtca tgtggccata tcgacaccct tctctatcat aagccatcgt 240
ccattttttcc tttgaaatgc gatcaatcca tggtactatg gctggactta attcacgaaa 300
tttttctaaa ttttatcaca atgtgcttgc aggagtgaga ctgcataaaa ttagtatgaa 360
tacaatttca agttatatga agttaataa cgtaccatca aaatgaaa 408

<210> 23231

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23231

agcttctgaa natcatagca tgtttgaaaa tcaagtagaa aatgactttt gaggagaatt 60
tttttttttt tttgcaaag atcaaaatca ttgctgttgt ttttgtgact tttgaggtaa 120
aaaaactttt gcaaaatgat taaaatcatt atttttgttt ttattattcg atggatctgt 180

atttggagtg cacatcacaa taagttgaaa actgtaaaac aaatatgcac tcaaacaatga 240
tcttaataat taagaaattc tagtttaatt gattaaacag aatgttgatt aagtagaatg 300
tgtaagatct tgtttaattc ttgogggaaa aaaaaatata acaaggttgt agatctatat 360
ctttagctct ccatttgggtg caacagtaat ggttatggag 400

<210> 23232
<211> 428
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23232

acttcaacaa tattacaaaa ttgattttta tatcttttaa ttgattaaaa atatcatttt 60
aaaataatta acaaatatgg tttttgaata taaaaaacac acgctatttc aacaaattta 120
atataaatat ttattttttac gataaatata tttaaaaatt aattatgaaa agaatacaagt 180
ccatcttaca catattatct caaaattgaa taattatata ttcattttta acatattttac 240
attctttttt aatttatata tttcatataa gtattccatg actattactg cttagtaaaa 300
aattaaatta taataaattt cattagggtta agtattttta atgataacat aggtttaatt 360
acaattttta ataatcatct tctttgatnt aatataatat atatatatat cattgatatt 420
ttgacatg 428

<210> 23233
<211> 396
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23233

agcttgagat gttngatat gacaagggcc ttcattgattg accctgacct tcttgattga 60
tcacgaccat ggtcaatgta tcacggctat tatcaagtga aaatagtatc aaatcttcat 120
gaaagtgcac tttccaactt ttccacttga ttgagcaatt gtattttctac aagataaaaag 180
ctaattgtcca aaccactaca aaaaaaggat atttctaacy aaatattttc cacaaaattt 240
attatgtcaa gaatatttga atttttgatg gaattttcaa aggattatat tccatgggaa 300
atttttgaat ttgtgacaga atttaccac caacaaattt ttcattcaaaa agtatttttac 360

cgaagaaata cagatccgac agaatttacc accgag

396

<210> 23234
<211> 415
<212> DNA
<213> Glycine max

<400> 23234

aactaagctc gaggattatg gggtagccat cacatgtggt actatgtggt tgcggggcga 60
tggtgcacaa caagttttcc acatccacaa agcgcacata aaccaccat ccccttgtgc 120
ccaccttcaa ctgaactcac gtactccac gtaaccata tctcgtttc tctcaacacc 180
gggtcccat caatccttcc aagctttccc aacatccaaa taatacaaca ttcaaacagc 240
acaaattatc acagccaagc aaaacaaggg aaaggcagaa aacttttgcc aaaacaccaa 300
ccaaaatcac agcttttctc acttaaagac ccagtaaca attccttcgt tccaattcgt 360
taaccggtgg atcgactcga aaatttactg gaagtctcta gtacttaagc ataca 415

<210> 23235
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23235

agcttgctct aaatntactt tgatgtttgn gtttatggga ggaggttata tgccattttt 60
gctttaagag taatgtccca ctaaaactaa ctttccaaat gtttgcttc gcaggaatgg 120
ccccgaggaa gattgcctca aagaggtcca ggaaggacaa ggcgccgaa ggaactagtt 180
ccgccccgga gtacgacagt caccgcttta ggagcgttgt acaccagcag cgctttgaag 240
ccatcaaggg atggtcgttt ctccgggagc gacgcgtcca gtcagggac gacgagtata 300
ctaatttcca ggaggaaata aggcgcgggc ggtgggcacc actgggttact cccatggcca 360
agtttgatcc agaaataatc cttgagtttt a 391

<210> 23236
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23236

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ngggccaagg atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120
atgtccagat tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180
tgtattcatg acttccacat gaacattctt gaaattgcc aatgcttgac tgccttgga 240
gaaaggatga cagacgaaaa gctggtgaga aagatcctca gatctttgcc taagagattt 300
gacatgaaag tcaactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360
ctcattggtt ccttttcaac ctttgagcta ggactctcgg ataggact 408

<210> 23237

<211> 394

<212> DNA

<213> Glycine max

<400> 23237

agcttagata cgtcacttat acacgtatca attaagtatt taaagagtgt tggcattaga 60
tgcataaagc aaattgaatt atcgggtgctt catagattta gatacttcac cgatatacat 120
atctgtgaag tatccaagag tatcagtatc aaacatgaat atgtgaaaca aattgaagta 180
tcaatgcttc ataagtccct taccttggtc tgtgaaatga tgggtctaagc tcttggtgta 240
ggcctcagat ggaattctca atttgcccac ttcaccaagt gcccatcaat tataaagctt 300
ggacctttcg gttgctccaa ggatattgga ttcaacatcc ttaactctct attaagcttt 360
tgaatggagc aatgggtattt agtagtacta gtat 394

<210> 23238

<211> 352

<212> DNA

<213> Glycine max

<400> 23238

ctatcttgag gggatgtcct attcattgac tttactatc tgttcgttca acttctaacc 60
catccaacat ttggtatccc aacttgggtg cctttcatca tgttactatc aatgttgaaa 120
acattcagta gtgttcttga tttgagggtc ccaatcaagt gattgtaagc aatggtcaag 180
gtctggaaac aaatatattg gttcatcttc cttataatca ttctactaat ttagttgtca 240

atagaatatt gcatgttcca accattttcta aacatcttcc aagtgttaagt caattttataa 300
 gggataattc aatctccctt tgaattcacc ctaatgtgtg ccttggttaa tc 352

<210> 23239
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23239

agctttccag tttggtagtt tctccaactt tagttacaaa cccatatgga tgaaatgata 60
 gaaagctttt ttcttttttt gtcttgaagc gattgcatga gctggggttt cttccatttg 120
 gtttgttatt tttgtatgcg ttactccaaa agtttgagac taggctatat tactttgttt 180
 ctggttatat ggaataaaaa tttgagattt ttatgctatt ttagatagag tgcaacgttg 240
 aagtttgaac ttttctgttt tagtcttttt ctccttgggt tagttcttaa tttaaacata 300
 anatgtgtat tataatttat aacattcttg ttcttaaata gatgtattga attcctctgt 360
 ttctcat 367

<210> 23240
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23240

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 ttcaaacaca tgtttaataa ttaaagccca ttaattgaaa attaattata gctggacaat 120
 gtctttttta aaataattat tgatacaaat ttaattaaaa aagaaacaag atatatcact 180
 atcttgctgt actagttgtc tttttccttt cctttccttt aaccacttgg ccaatatgag 240
 acaccaaaca aagataagct gtggcgtcta actgataaga catttcaagt ctccattttt 300
 caagtaaggt tttagaaca atgggaagac gttgattttg gtcagcagaa atatatccta 360
 tnactctatt cctac 375

<210> 23241
 <211> 305
 <212> DNA

<213> Glycine max

<400> 23241

agcttataac ctttctttaa gcttttttta agcttatttc agtaagtttc aagttcgtgg 60
ttaagctttt gatataactt ctaatgtgaa tgtgatatgc ttagggcgct aattaagcta 120
tttactcaaa tgcaccttac atgtaattgt acacatatta tttgcctata tttgatgttt 180
gggtgttttt taaatattgt tgttccttag tgagcttgaa acattaacgt gcggagtaaa 240
aattgcattt ttgtttaatg tttcaacaaa accttttttt tttcattttt ttgggggggg 300
ggggg 305

<210> 23242

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23242

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gtgtgtctcc catgtttaag ttgtatgtaa cttgtatttt cttcacagat ggggcatgcg 120
tgatgaccct taacactgta accgctgaga ttcccatatg ctggaaagtc attaatggta 180
caaaaaagca ttgcacgcat ttcaaacgct tccttgcgaa acgcatcata cactacaacc 240
ccctcgctcc acaactttct caaatcttca atcaacggac ttagataaac atcaatgtca 300
tttcctggct gtcttggggc cgatatcctc atagacaaca tcatgtattt tcgcttcattg 360
cacaaccaat gagacaaatt gtaaattact agtagaactg gccatgaact gtgttgagtg 420
cttaaggagc catatggatt cat 443

<210> 23243

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23243

agctttttatt ctagagcatc ccgaaggaga aagctcacia gtcacaagtg tcttgtaaga 60
ccaaacctgg aatttgcttc gagggaggga gaccaagaaa aaaaaatgtt tacatgtata 120

taacatatata aaaaagggtt aatatatgat atatatatta ttttttttta taaaaatata 180
 tataacaata tcaagtaaaa aacattatta tctaactaat tatatcattt atataaatat 240
 aagaaacaaa tataatatnt nttcttgtaa ttataaaaaa agacaaactt gtattttaat 300
 atattaatta tacatttata taagagacaa atagatacaa ttnttatatc cttaatgtat 360
 tggatgaagtt actaatgaga taatc 385

<210> 23244
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 23244

aaaccagctt actcatattc aaaatgattg atgtttatat attgtggcat atacgcatg 60
 tgatatgtgc acactttccc cccatatata acacatatca gatcgatgtt aataagcatt 120
 tgctaaaata taattctcta aattgtagga ggttggtgta atttcacctt caaaatagtg 180
 catataaata aaagatatnt attattatta ttattgaatt aaaatcaaac ttaaatgtta 240
 atacgatatc aaaatttatt atattgatga ttgttaggcc atcaaagcac tcaatatcgc 300
 tgattcatta tttaattatc tacatatgca cgtctaataa aatattgtta gaaaatacat 360
 tctctagcat gagagag 377

<210> 23245
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23245

agctatgacc attcgaattt ctcaagagtt gccgttggtc aatttcgagc gtgtagatga 60
 gttatgtccc cgaatcggac atctgtgtga aaagttatga ccattcgatt ttctcgagag 120
 cttccggttg tcaatttcga gcgtctcgat atattatgac cccgaatcgg acatctgtgt 180
 gaaaacgtat gaccattcga ttttctcgag agcttccgtt gttcaatntc gagcgtctag 240
 atgagttatg tccccgaatc gaacattcga gtgaaaactt atgaccattc gaatttctcg 300
 agagcttccg ttgttcaatt tcgagcgtct cgatatatta tgttcccgaa tcgggcattc 360
 gagtgaatg tt 372

<210> 23246
 <211> 215
 <212> DNA
 <213> Glycine max

<400> 23246

ggtttcctga acataggaaa tcaaagcttc aacaatgggg agatggacca tttcaagtgc 60
 ttgaaagaat caatgacaat gcttaciaag ttgagctgcc cggcgagtat aatgttagtt 120
 ccaccttcaa tgtctttgat ttacctctct ctgatggcag atgtagaatc cgatgtgaag 180
 acaaatcctt ttcaagatgg agagattgat gagga 215

<210> 23247
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 23247

agcttgttca atggtaatag aggcaattag aaggaagac atgcatgtgt actttgtgag 60
 aagttaacca actaattcat ttgttgtgac tttcttaaaa aaaataataa ttgtgaagaa 120
 cggcttctct gccaacacaa ccaactgtag tcaattaagg tgtgttggtt ggagaataag 180
 aggataaaag aagttgaaat tcacaaagtg agattcacat ttctacactt ttagtttaaa 240
 attttatcct accttaaatt ttttcatttc ttttacttta caaaccttta aatttgagaa 300
 aat 303

<210> 23248
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23248

ttctataatc aacgcacatt ctccatcctg tgtctgttct ggtatgaatn agaccatttc 60
 gaacatttct tattactgcc attcctcctt tctttggaac aacttgaaca agactgaccc 120
 atgagttgtc tgagattgga tagataaagc ctgcctctaa taacttgagc acttcttttc 180
 ttacttcctc cttcattata ggattcaatc ttctctaggt tgtcgcacag gcttataatc 240

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<400> 23249

<210>	23250
<211>	344
<212>	DNA
<213>	Glycine max

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agagttgcng	ggaaacagaa	ttcaccaaaa	aaaaagaaag	aaaaaagcat	agagagaaaag	120
atcaacatgg	tgttgaggaa	agtgggtaaa	tatgagattg	gaaggaccgt	tggagagggga	180
acgtttgcga	aggtaaagtt	cgctcataac	acatacagtg	gcgagagtg	tgtcatgata	240
gtgctatacc	gtagcgccat	catcatcac	aatatggtcg	accaggtatt	tgttttttta	300
agtactacat	cacgtgaatt	cctgaaatta	caagattcag	ttca		344

9737

<223> unsure at all n locations
<400> 23251

tctatTTgta cTcatgagtg gtaagnngag gtctaagtgg attggTcctt ttgttgTtac 60
taatgTTTT ccttatggga caattgagat caaaagtgac tccacaaata agatcTTcaa 120
ggtcaatgga catcgactta agtcattcct cacaaactct tctttagtgg acgtagtggt 180
ggaagagact tccttactcc accttactct tcctccacca tgacttaggg agTTTTtctt 240
tttctatctc cttctttact tttattacat ttttccgatt ctatttgatg gtttaattac 300
ttttaatctt ttaattgtgc tacattg 327

<210> 23252
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23252

ntggggctga aaattatata acagctccaa tgttctTTTT tangccctct tctatcctct 60
ctctcctctt tcgttttgag ttttacgctt ctcttcttct ttcaaact tttttgtttt 120
gcaattccac gttttacttt tcatttttagc aataagatat cattctctat tgattaatgg 180
aaggctaagt ctccagcgtt gctttctctt gaggatctag cacagttctc tttgaccggg 240
aggccaacag tgacggccaa ttctaacc gtcaatcgtg gaccactaa ttccacaagg 300
agcggaatg ttagcaacaa caacattagt ggtggaagac caaaagtacc ctctcgggtg 360
tttgctatga gtggttcata agcggctgcc ttcgacgata tgatacaggg taagtgggtg 420
attgctgata aacta 435

<210> 23253
<211> 375
<212> DNA
<213> Glycine max

<400> 23253

agcttggtta tctccttctt cactacatca agaactcactg ggttgagtct tctctgtggc 60
tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120
ataccaggaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactgac 180

aacaacttct cgtcttgctc atcagcaagg gaggcagata taatcactgg aaaactcttg 240
 caatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tgggtgtggtc 300
 ggctggacag tggtagaagg agatggtttc tcagccttta cctcataaag aaagtcagag 360
 gtatgtgtac ttcct 375

<210> 23254
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23254

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 gtatgtatac atgattntga tgatgtccaa agaagaatca aacaaagttg cttcaaaaga 120
 taagcatggc ttcaagatta atacaagatt gcttcaacaa aacaagcctt gcttcaagat 180
 taactcaaga tcaagccttg ccttatagca aagtgccttc aagacattca aggccttggt 240
 aatcgattac cggaagatag gggtgagaaa tagttgggtga aaagagtttt gaatttgaat 300
 tttacatgt aatcgattac catatgtctg taatcgatta ccagcaacgg aactcttgaa 360
 attcaaattc aaaagtcatg acccttcaat tataactgtg tatcgatata caacattgta 420
 tcgata 426

<210> 23255
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23255

agctttcttc tacatgattt aatttanaga gaatgagaga caaggacgtc aaatttatcc 60
 ctattattag aattatgagt gttgtttata gtaatggcat aaaattgaaa atcctaata 120
 gtcattggag acatcaaaca acaaccttca aattgcccc tgcatagtgt cgcttgacaa 180
 cgttagaatt cacaagtgat tgtcttcctc gaatttcaac tagcccgcat cacttacact 240
 ntgcatttta cgtttcaggg tcatacaatg ctcaacggaa tgccctggaa ctccttcatg 300
 ataagcacat gttggatccg agttgtattc tcgaaaaaat ggaggtcgag gaatctttgn 360

tgggattacg actaccattg cattattgag t 391

<210> 23256
<211> 354
<212> DNA
<213> Glycine max

<400> 23256

atgaagaagt gtagaaaggt gaaacttcct gcttttattc gttgaccaca gagtgggtacc 60
tggagatatg ttgcggggat cagaagacct tggggacgtc aggtgggggtg ctattgccca 120
aaaacaagct tgaccaatcc cgaccaacc cgggcatagt cagtcagtga gaaccagtga 180
tgtacctaaa caggccagct cctgacagtc aacagataaa aagaacaaag accacatagc 240
aaggaggctt gtgtggtggc tggccaactg tgaatcttga gtgatattctg tgatatgtgt 300
tagtgcttaa cactactgag tttaaaaagg ttggctaaga ttttgtttaa acat 354

<210> 23257
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23257

ccgccccggg atccttaagg cacctgccgc atgcagcttc ttggaaacat tatacncgag 60
aggaacggct cgcgggccaat attttaacag taggttcaca tcgggttttca taaaaaaaca 120
aaaataacga cgttaaccaa tgatggccac attaacatta gatttctgga gaaactgatg 180
ttacttatca tacgtaacat cggtttccac aaactgtgtt aaagatacac atattacaac 240
tatgccccgg ttatgttacc tctgttttcg aaatcgtgtt accgacaact taatctacat 300
tt 302

<210> 23258
<211> 332
<212> DNA
<213> Glycine max

<400> 23258

agcttgtgat attcgagtct gggatcggct cctaggaatg gaaggtagcc aataactgtc 60

aagcctattg gaactggagg ccaacgagat gaaacagcgg cttcattggt tgaattcttg 120
aaccatctta tcaagcatag cacactgac agtgtgacta gaatgggttt aattggatgc 180
aagttggtgg aatcccatca ccacaaatat ggtcgtgtga cacataatga gctcaacagc 240
attcttgatt atgcatggtg aactaccatg tgtttcctag ttatttttgc ttaattaacc 300
tgcgattgag tgaattgtcg atctcatcat ct 332

<210> 23259
<211> 393
<212> DNA
<213> Glycine max

<400> 23259

agcttcgac gaatcgtttg cggctttgtg gagagatctg ctgtttctcg atctgttctc 60
gcaatgcgag gcgatccgag tctattctat tgcttgagtt cgtcgtccga gcaagatccg 120
atgctcgttt ttagcgtttt tcgctaaacg acgacttttt ctggttgtat ttgcttaccg 180
ttgttgcggt ctcgttggtt tgaattgaac gctaagtgtt aagttaacta aattctggag 240
cgagtctcag tgtttttgtg cttcgacttg tgaactttac ttcatttagt tattgtaaat 300
ttgtcctcaa ctcaaacta agtgaatgag ctacttgctt gagctgccac acgaagctta 360
tgaattttct actagtgtac tgttgactgt tat 393

<210> 23260
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23260

cttacaaatt ataatcaagt caagatgagt atcntttctt atttttatgc actggggtag 60
tattatagga gcaaaacatt aaaaattaaa gacataaaac actaaaatta acatcaattc 120
atgatttctt ttatctgtta gatatactgt ctacattgat ttaaattttt tgtctatagg 180
aataaggata acatctattt ttttaggaaa atgttttagtg aacacacatt gtgctatgat 240
acacctgggg agaaaaaaga aaaagagaag aaaaaatata gatttaataa agcttatgat 300

<210> 23261
<211> 393

<212> DNA
 <213> Glycine max

 <400> 23261

 agcttttact aaagtattct ctagttttaga gtcctgcac agtacaaccc ttattccaac 60
 accaaaagca tcacattcaa tttttcaaaa gctttatcaa aatttgacaa acaaagcaaa 120
 tgtgcattgg tcaacttgtc tttcaatata ttaaaagttg tctcatgcac atcagtccac 180
 ttgaacacca cattcttttt tacaagttcg tttaaaggtg cagcaagtga actaaagctt 240
 ttcataaatc ttctataaaa acttgctaaa ccatgaaaag atcttacctc attagcattc 300
 ttaggtacag gccattcctt aatttccttt accttttctt catcaacact tattcctttt 360
 gagctaatga aataaccta gaacacaact gat 393

<210> 23262
 <211> 343
 <212> DNA
 <213> Glycine max

 <400> 23262

 aactaagctc tctcagttgt cttcaciaat aatcatcaca cagcttagat ttttcttgac 60
 taccagcat atgtgccgag accccatacc catcaaattt cagagagaaa gaagtccacc 120
 caaacctgaa ttttcagagt ccctctcgta gccacgcact tcacgactct caaaatgccc 180
 tccttttcg atgtggagca caaatgagca ccacaagttg gagctttgtt ggggtttcaa 240
 tgggaaatgg aggagaacga tacacaccgt gaggaagagg agaggctttg aattttctgg 300
 tttggctgag tgaggagaga gaaaagcttt tttggtttaa ata 343

<210> 23263
 <211> 351
 <212> DNA
 <213> Glycine max

 <400> 23263

 ttataataa acaagccgag ccgaaccgag tcttacgtaa gtcgaattga agaccctcga 60
 caagctgttc ggctcatttc caccctacc tgcaataaca tagaagtggg taaccacaca 120
 atttactta ttccaattat cactgctctt tttcccttga ttttcacacc gggcctaagt 180
 aacaactcaa tgcagccctt gggagcacia ggaacaaaga agggctttct tctcttatg 240

caatttcaat tcttttagcaa taacttaatt ttgtagattt tttaaaaata aattcaatat 300
ttagtataat tattactttt tcacatgtct ttttaagtact aattcatttc a 351

<210> 23264
<211> 349
<212> DNA
<213> Glycine max

<400> 23264
actccgctta taatcaaaaa gcgttcccca atttcttttt gcgcagcaca cttcttcctt 60
ttttgttttg tatactctat atctcttcct atcttcttga aaaaatttcg tggctcttcc 120
actggtgatg atcatggaag cctaaaaacta atcagtcagg gatccactcc tagcaacgct 180
taattcgagt tttggtttta tatttcaata ttgtgggaat gtgcatattt ttcttcaatc 240
ctattttcaa aatagggttat ggattcattt cctaattata aatttaataca tacattgttt 300
ggatgatatt ccaacctaatt ttgcgatctg catgaatcta gggatttat 349

<210> 23265
<211> 392
<212> DNA
<213> Glycine max

<400> 23265
ttgcatgcaa gcttgttgtt aggatagaac ctaatgacga tcacatatac cagatgacat 60
tgatgatccc acaacttttc ctcaagccta tgcaggtgtc gtgggattca actgtgtttg 120
ggtagtacia tgataatgtc cccttgtaca taaagcatga agatcatggg gaaatagcac 180
acgatggtca atgtatgaac atcattatta taaaaattat ggattatgaa agtaactcta 240
aatgacagtc cattaccta ttgattgtct tgaattgatc cataatttac ttattgttaa 300
caacaatagt caatcaatga gttaagtcta tgatcaggga atgcctctgt gtatggattc 360
aatgcaggt tgaatctgag gattatatta ag 392

<210> 23266
<211> 284
<212> DNA
<213> Glycine max

<400> 23266

ataacgggaa gtcactcactc ccacaaacct gaaaggccaa ctcgcaacag ttttcagtgc 60
 ttgccaaactt cacctggcat aacaagaagt catcactccc acaagcctga acgaccaact 120
 tgcaaaagtc cttaatgctc gccagctaca cctagcatag aaaaagagca acactcgctg 180
 ttgaagtgag agaggactta gatttttagaa cgttggccct cactcactca tagccagaga 240
 cggcaaaggg ggacgatggt gacccaaagt atggctaagc acat 284

<210> 23267
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23267

tatgcatgca gcttttgggt atgactccgg agaactggat gttaaacaag gagacattct 60
 taagatgttt aagctctgtc atctcaagtg gtagctcgcc cgagagggtta ttaatgtaca 120
 tatggatctg ctcaaggctt tgaattntcc atatgccaag tggaatttct cctgtcaaatt 180
 ggttttcaca caatctaaga tcacgcaatt tactcaagtt tcctaattcg cttggaattc 240
 ctctttcaag ttgattgtaa ttcaaactcc actctttcag tgattcgcaa ttaccaatct 300
 gtggatgtat tttccctgac aataggttct ccggaatgaa taacat 346

<210> 23268
 <211> 72
 <212> DNA
 <213> Glycine max

<400> 23268

aaaaggaacc aaacagagag gaaggaaaaa agcaacagga gtaccaaccc ccgaaaaaaa 60
 agcgggacaa aa 72

<210> 23269
 <211> 249
 <212> DNA
 <213> Glycine max

<400> 23269

cctaactgac ataagctaaa aaaccctagt cggcatcaac ttaaaaatag cactgaccga 60

tgttgatcga aaatacccta gctaacatcg acgaaaaata gcctggctga tgtaggcaaa 120
 aaaacottag tcgacgtcta ccgaaaatct gtagtcgaca ttggctgaaa taccctaacc 180
 aaggttgacc gataatccct agctaataatt gactaaatag tcgctctaac taatgcgtgt 240
 gaaaagcct 249

<210> 23270
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 23270

agcttgcttc tacaatttcc ccgtttttga tgatggcaac ttcaaaaatc aagagacaca 60
 catgtagaag caagcttcat gatgaatcaa gattgattca aagagttttg atgataacaa 120
 aggtgatgac aaaaagctca aaagtcaaga acacttcattg ataacaaga tgatgatctc 180
 aagaatcaaa gaatgagttc aagattgaat caagaacatt tcaagggttca aaaggaaatt 240
 tgatttcaag aatcaagaat caagaatcaa gtttcaagat tcaagactca agattcaaga 300
 ctcaagattc aagactcacg attcaagaat cacgagaaga cctagtcaag ataagtatta 360
 tagagtgttt tcaaaaactg agtagca 387

<210> 23271
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23271

nttgtttggt gaaatacaag aaggcatgat gagtgttatt atgttggtga ggttttctct 60
 taaggccagc acttggtttg ggctgcacca tgttttctct gtgcctagat agtgtgagaa 120
 tgtcattcac catctacatg tgtatgttga atagatagct aaatgctttg caaatgtgca 180
 tatatgttga aaatggcacg aaaatgcgtc tcgaagtagg aacatatgat ataaaattgc 240
 ctttcaagaa tgagaatgag tagtacaag attgcttttt caatgaaagt gcgacataag 300
 attgttttca aatgaggtg aacatgtgcg aatatataac atgaagttgc ctctcatatg 360
 tatgaacata tatgtgaatg aaacgtgaa 389

<210> 23272
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 23272

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 acacaactta tcgcctagca acgcattccc ctttttagcag ctggcgtaat atgcgaacaa 120
 gcccgcacct atcgcacttt ccaacagttg cgcacactga atggcgaaatg gcgcctgatg 180
 cgggtattttc tccatacgca tctgtgcgga attcacaccc catatgggtgc actctcagta 240
 caatgagctc tgatgccgca taatgagcta gacccgaccc cgcctaaccc gttgacgcag 300
 accctgcggt tattccaaag tatacaaagg agggcgcttg ggaaagtcc cttttgcctg 360
 gaacg 365

<210> 23273
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23273

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 catatcctca ggtaccactc tgtggttaac taataaaagt tggaagactg actcttccac 120
 gctttctcac acatggctta ttgggttatg gggcaccogt catatgtggt actatgtggc 180
 gatcgggcaa tggcgcaaaa caaatatccc atttcacaa gccagggcat aagcacacca 240
 tccctagttg cccaccttta aattgagctc acgtacacgt acgtagccct tctcgttcct 300
 ctcagcaccg ggtcccatc aacccctcca agccttcaca atgtcaaac cattcaattc 360
 catttgacat gaaactac 378

<210> 23274
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 23274

tagcccaata atattgctaa caataatggg tataatctata tttctaactc cctcccctaa 60

actatagttc acttagcatc acacttggtta caaagtatta aaatgtcgca acatctttaa 120
 tgtatctcag aatattgtta ggatcatatt gcaaggatg aaagttgagt ctacattga 180
 aagtttgga tttaatgtag ggttttttac gcctccacct tcatttttcc aactacaatt 240
 gatggctttt atggtgtagt tctggtaggg tcttaataat tggattaga gcttcttcag 300
 tgttggtaaa tgggtggcgt acggctacca tggctgaatg gcatcat 347

<210> 23275
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 23275

agcttgctag agacaattgc aaatttttct cttatctttc catcaagacc aacatgacta 60
 ctgtgcttta gattagtga ttataccttt atgcttcac atggtgagca tcactttgaa 120
 gttggaacta cattataata atatacaatt tataatataa ttagattcca ttatatataa 180
 ttaaaaccaa aaatcacctc tacctgacac actcttataa tgttttttcc aagaaaataa 240
 tcaaaacaaa aaagaatttt cagacataga agactacaga aatatataaa aatatggctc 300
 agctgagctc tcccagtcct tggaggcccc tgaaagagag ttggttaggc tcgattacaa 360
 tttttagaca tgatataaat ggacaataca acctctt 397

<210> 23276
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23276

atctttttgg gattgttttt tcccctata ccctttccca tttggagtat taaattaagg 60
 ttggcttgga ggagcttang ctcaaagga tgatggtctc ggaaggatgt gcaagtttat 120
 atagcttacc atgttggctc ataatgtatc aatgggttta tgggtttaag gagacattgg 180
 aggtattgtc aatgaatttt ttgtttttta tccttttttc ttggattatg atggtttgtg 240
 tataaagctt tatctttctg ggattctttt tccctatccc tttccccctt tggagtatga 300
 gagcaagggt ggcttgagg agcctangct caaaaggatg atggtctcgg atgagagcct 360
 cgagctactc tcttggctct tcacacactt caagtctttt gttgggcca tagtgacat 420

gtcattatag atct 434

<210> 23277
<211> 350
<212> DNA
<213> Glycine max

<400> 23277

agctttgaga caattcattc gacaataact ttgtactcgg atgtctgatt gagtcccgta 60
acatatcgag acgctcgaaa ttgaatgttg aagctctcag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagcctcgt aatagaacga gacgctcgaa attgaatgtt 180
gaagctctga gccaatcaaa acgacaacaa ctttttactg ggatgtctga ttgcgtcccg 240
taacatatcg agacgctcga aattgaatgt agaagctctg agacaattca aacgacaata 300
aatttttact cggtatgtctg attgagctctc gtaatataac gagacgctcg 350

<210> 23278
<211> 324
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23278

ataatttnag cgtctcgtat attacggttt ctatcagaca tccaagtaaa aagtgagtat 60
cgtttgaaat ggctcagagc ttccacattc aatttcgaac gactcgatat atgaaggagac 120
tcaatcagac atccgaataa aaagggtattg tcctttgaaa tggctcagag attccacatt 180
caatttcgag cggctcaata tattacggga ctcaatcaga catccgagaa aaaaattatt 240
tccgtttgca ttgtctcaaa ggttcaacaa tcaatttcga gcgtcttgat atattaccgg 300
actctatcag acttccgagt aaaa 324

<210> 23279
<211> 394
<212> DNA
<213> Glycine max

<400> 23279

agctatgctt acaaactctt catccccctc aacaaaagac tctttcaaat cgcttctacc 60

attataacaa caattccaaa gaatattggt catattctat ttattttaata aaaattaggg 120
acattgatgt ttagtcatgc atactcttag agtgatctct attatatatt tgtagcaaga 180
attatgatca tacttttaggt gaaaaaaatg gcatacatat aatgtttgac tttctaaagt 240
cacaaagtat ggaatataaa taacataacc acaatcagat atatatactt aacacgttta 300
gtataaaaaa tttcaaacaa gtacaataaa aacctcaact aacccaaaca atagaacata 360
agtgtcagta atgaagcgat cacccaagat aaac 394

<210> 23280
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23280

tgcaaactaa gtgctcacct ttagtagagg agaatttctt atgctggttc atggtaacct 60
tttctcttag atgaccatta aggaatgtcg ttttcacatc catttgatgt aactcaaagg 120
tcaaatgagc tactaatgcc ataattatc agaagaatc tttcttaa atacaggaaaa 180
aaggctctgt gtatcaatc cttctctttg agtgaacct ttggccacaa gtcttgacct 240
atgtctctca atgttgacct gtgagctttt cttgggttta aaaacccatc tacatccaat 300
ggcttttaca ccactaggca actgtacgag atcccagact tggttaaacg ccataaaatc 360
atctcatnct tcatgggata tgtcaacaag ttgattcttt agaactcatg ggctgtgaa 420
acgttcagga tcatttgag ctcta 445

<210> 23281
<211> 348
<212> DNA
<213> Glycine max
<400> 23281

agcttcttat ccaaggctta tcttggtggt gaagctcctt cttccaaggc ttattcccta 60
gtggatggcg cctcctctct cctcttctcc tttgtcttcc gctgcatctc catgggtggaa 120
aatcaccatt aaaggacctc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcactttgt ttacagcatg gccatttaag ctacatgcaa ttatattggt 240
aatgactctt gactccatca tcaactagat tgcagctta cccattgtgc attttcttgg 300

gtactatata cgagagagat attggtggtt agtttaaata actggatg 348

<210> 23282
<211> 404
<212> DNA
<213> Glycine max

<400> 23282

tcttcgccag tgaaaggatc gatgtgtggt ttataagagg caaatttgat catcctacta 60
tgacgactga gaaaactggg gcaaatgaag aggggtgagaa agagggagaa acccatgctg 120
tgactgccat tcctatacgg ccaagtttcc caccaaacc aacaatggca ttactcagtc 180
aataacaaac ctctcctta cgcaccaccc agttatccac aaaggccatc cctaaatcaa 240
ccataaagcc tgtctaccgc actttcaatg acgaagacca ccttttagcac aaactataga 300
aacaccaaca aaaatgaatt ttgcagaaaa aagcctggta ggttcacccc aaattccgat 360
gtcatatgct aaacttgatc ccatttccac tcaataattc aatg 404

<210> 23283
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23283

agctttacat gatngatttt ggtgttagat ttggtcaatt tgaaggcaag atatgggagg 60
agtgataaaa ttttactga attgcttggt ttgttgaaga agatgatccc taaagataac 120
aagttgttga atattcacta tgagggtgaag aaaatactat gtcctattag tatggagtac 180
cagaaaatac atgcatgcct taatgattgg ataccaaaaa atgagtttgc agaaatgcat 240
aagtgccta catgtgggggt atcgtgatac aaagtgaatg atgatgacta cagtaatgat 300
gtaagcacac acaataacca tccaacanag gtgtgttget atcttccaat aattccaatg 360
cttaagtgat tctttgctaa tggagacaac a 391

<210> 23284
<211> 167
<212> DNA
<213> Glycine max

<400> 23284

gatattatgt cctgtgggta tggagtacca caaaatacat gcttgcccta atgattgcat 60
 ttcgtatggg aaatagttgg ctgaaatgca caaatgcccc atatgctggg tatcacggga 120
 cacaatgaaa gatgatgaat gtaatgatga tgcaaccaca tgctgta 167

<210> 23285

<211> 302

<212> DNA

<213> Glycine max

<400> 23285

agcttccaga gtttggccgt atttcgatat catacgggga ctttatgcca tctttgatcg 60
 ccaaccaa at ggagtcgtg acctctggaa agatttatca atctcctttc ccttgggtgg 120
 tcaaccccaa cgcaacttgc gcgtatcaag aggtaccccg aggcattcaa tcaaacagt 180
 tgtggccctc aaacatagag ttcaaagctt gaccgacgtg ggggtggctta cattccaaga 240
 agacgaccca aatgtaaata caaatccgct tgccaatcat ggagggtcgg gagtaa atgc 300
 aa 302

<210> 23286

<211> 181

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23286

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 atagttaagc cagccccgac acccgccaac acccgctgac gcgaaccctc tgcngccgct 120
 tctnatttac tttccatnag gctgctctcg acgcgttagc gatgagctcg cacttcatgt 180
 t 181

<210> 23287

<211> 379

<212> DNA

<213> Glycine max

<400> 23287

agtttcttat ccaaggctca tcttgggtgg gaagctcctt cttccatggc ttattcctta 60

atggatggcg cctcctctca cctatcttcc ttttcttcc gctacatctc catggtggaa 120
aatcaccatt aaaggacccc attgaagctc aaagatccag cctccataga agccccacaa 180
gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtacgtgc tccttaaacc 240
tccattaaat ttttctcttt accttctctt ccataggtgt ttcttcattt ctctacatgt 300
atctcctcac atgtcttggt ctaaagtgtg ttaacatgat tctttagagt ttccaccgat 360
taaacatgct atagaagtt 379

<210> 23288
<211> 247
<212> DNA
<213> Glycine max

<400> 23288

gggatggcgg atttatgtgt gatttgtgga tgtggatagt caacttgac attcgccgac 60
cgccacctag taccacatgt gacgggtacc ccataatcct acaagcttga actgaggaag 120
tgtggaatgg tgatacttcc tacttttatt cgtttgacca cagagtggga cctggagata 180
tgtcgcggtg gtcaagagac cttggtgacg tctggtgggg tgctactgcc cagaaccaag 240
cttgacc 247

<210> 23289
<211> 340
<212> DNA
<213> Glycine max

<400> 23289

agtttgtctc agcgtttatg caagacagag accaaccatgt tatccattgt cagcaagtac 60
caagaagaat taaatctagc cacgaccac gagcaciaag tggcggacga gtatacccca 120
gtatacgcgg aaaaggaggc tagaggaagg gtgatcgact cgttacatca agaggcaaca 180
atgtggatgg accgatttgc tcttactttg aatgggagtc aagaacttcc ccgattgctg 240
gccaaggcca aagcaatggc ggacacctac tctgccctcg aggagatcca caaacttctc 300
agctattgtc agcatatggt agacttaatg gcccatataa 340

<210> 23290
<211> 380

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23290

ggggagcagc aaattgaagg ataaaataaa ggagagaacg tgaactttga gttgtgtctc 60
acaagactct cattcatcaa agttacaaca agtgttacac aatgttctgt ctatggacta 120
agtagcttcc ttgagaaact ttcttgagaa aattcttaaa gaagctagag cttatctaca 180
cacacctctc taatagctaa gctcacctct ttgagatgag aagctagagc ttagctacat 240
accoccttata atagctaanc tcacccccat gacaaatata tgaaatacaa aaagtcccta 300
tacaagacta ctcaaagcc tgatatacat gctaaaacct atactactag aatggccana 360
tacaggccct atgaagaaaa 380

<210> 23291
<211> 380
<212> DNA
<213> Glycine max

<400> 23291

agcttgtact ttcaatgttc tttcatatct agagttagac ctttacctga actgtgacag 60
ttttgtactt tcgataatgt tcattcattt atagagttgt ctaccatttt caatgtgctc 120
caaagaaaga aattattata tacctaagct aaggaccttc tattggtgtc atgaacattt 180
tttttttaaa tgaattagga gttttttttt tggttacaat caatcaccat ttggataatg 240
tctcctacaa acaatcaaac atgcgcagct tctctaaagt ctcttctaataa aaattgctgc 300
ctgtaaataa atagtactta tgacacaaga aaacaacaaa aaatttgcat ttcaaacctg 360
cactagctaa aaagcaaaca 380

<210> 23292
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23292

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tgggtcccttt cttcccttcg caacttgagt tcattattgc taccocatag agctccgcga 120

aatttgttcc ggccatactc ttccttgcca gccctcttgg tctcttggtc aagggctctt 180
 gcggtaattg cattctcttc ccgtaacccg gcacactcct tccgaacgtg tgtagcagcc 240
 aacttgaact tctccttggc gagttttgct nttcctaact cgcttttgag aacttggact 300
 tctttgtcct cttncgggtgc ttcaaaattc tctttgtgga cgactnttaa cttggcgagc 360
 caatctanac ctcgtatgcg aactttcagc cattcgtggt accaccaatg atgccatacg 420
 aatgcctcta actcttgatc tttc 444

<210> 23293
 <211> 272
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23293

agctttataa cgtggccatg gcttgctgcg gaaaacacca actcatggat gcaactgagcc 60
 tattcagctg aatatagtca atgacgggtt gaggtgcga tacaagcagt tattaatatgc 120
 ttctcactga ggataaatcc agttgaagac tctacaggac accatggatc tcattgaaaa 180
 tatagcanct agagatcacg ctagtgtgcg tgataagaca cacatcgcta cgccacgaag 240
 tctgttgaag ctttcttcac agatgcattg ct 272

<210> 23294
 <211> 488
 <212> DNA
 <213> Glycine max
 <400> 23294

cggcgcttga tccattgata cctcgcatc aggacactat gaatactaag cttgtctgaa 60
 gagactcact ggaggtgatt ttcttctctc ctggactagt cactagtgga tggtgactac 120
 tctcacacct tcacgttttag ccttcggtat aggtacatgg ctgagatata ccattggaag 180
 actttattga agcttagaga tccaccctat atgatgctat cctagcacgc gagggcattg 240
 gaccgaacac tgatagaaca ttgggctaga gatccaaggg acggccctag ggttctcatg 300
 agccttatgg tagatctcga gcccatgggc taagtctgag cctgctgata tatgtaaata 360
 ttagacaacg ttatcgctgg agccgagcct tgtacttagc cattctaata ctatagggat 420

tgagccgcgt atttcgaggc atcttgatac tgctttgaga aggaatcttc tctgtatgca 480
agtcctcgg 488

<210> 23295
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23295

agcttggatc tttatctttt gttctcagca aaacaacaaa gacatgtttc ccctttcttt 60
tgagccatat ataccaagta ttgtaaggtc tagagaatca attggcacca acaaaaaaga 120
acaattgata cacaagttct tctcatcgac taccatgatc gcattntttg tagatctatg 180
gatagatctc cacacatgaa gtcgagcatg taatctctac gactntgcga cccaccata 240
natgttgaag atgtcagggt ccgtgatagt ggcttttttg tggcaactgg gtgcatggcg 300
tgggtggaga tgcggaggcc ttcgtaagtg gagatgacaa tgttgtggtt gcttgtgc 358

<210> 23296
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23296

tgccctgtccg atgcagcagt aatgatggcc cgagttatgt tggggaacgg ttacgaaccc 60
ggaatggggt taggcaaaga caacggcgcc ataactagcc tgataaatgc caaaggaaat 120
cgtgggaaat atggtttagg ctataaaccc actcaagcgg atataaagag aagcatcgcg 180
ggaagaaaga gtggtggtca aagctcgcg ttgagacaag aaagtgaagg aagcccgccc 240
tgccacataa gtagaagctt tataagcgcg ggtctgggag atgaaggcca agtggtcgcg 300
atatacgaag atgatgttcc gagtacattg gatntggtag gaccatgcnc tcctgatttc 360
cagctaggaa attggcgggt ggaggaacgc cccgcattta cgnacagagc ataata 415

<210> 23297
<211> 374
<212> DNA
<213> Glycine max

<400> 23297
 agcttgaaag agcccgata gtcaaagaga agttcaagtc catagccatc aaagtctgaa 60
 gagagtatga tgaactaagg gacgtcaata tggccaccga tgaagccttg gaatgagaaa 120
 ccaagaaggc ccgaaaggaa gaacatgacc aaaacaagtt ttgaggggct ttatagggca 180
 gcaatagtga gctcaaactc cgaagaggtg aaaggaatca tcacgggtca aaggcatgat 240
 ctggaaggac gagctaaagg cttgccttat gtcgaaaaga aatttgtcca aacagttaaa 300
 gtgagactga agggaatatg tgggccatca ccgatgagtg caaagagaag ctaaacttag 360
 cggcgactca cgag 374

<210> 23298
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 23298
 agccgagctt agttgttaga tgggtgtgtg tagctaagtt ctagcttctc aaggaagctt 60
 ctcaaagaag cttctcaagg aagtttctca agaaagcttc tcatggaagc ttctcaagga 120
 agtttctcaa ggaagctacc taggctataa atagaagcat gtgtaacact ttttgtaact 180
 ttgatgaatg aaagtcttat gagacacact tcaaagttcc acttctctcc ctcttttatt 240
 ccttcaattt cgtgctcccc ccttctctct tctttatcct ccattaaagc atcctcttca 300
 agattcttat ccaaggcaca ttcttggtgg tgaagctcct tcttccatgg cttattccct 360
 agtggatgat gtctccctc tcttctt 387

<210> 23299
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 23299
 agcttttact agttcaaat aaacaggtaa tttcagagac atgaatggaa taagattgga 60
 gttttcaaat gcttgaaagc attcaaat ctcatttgag aagaactcca tatctatgaa 120
 ttttaggtct ataattgaat gagaggaaaa aaagtttgtg taccgtatac gctgttcctc 180
 ttatgagaac aatggtccag agggaatgaa gggaggaatt ggggtttcct gtgaccogga 240

<223> unsure at all n locations
 <400> 23302

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 gcttggcggc cagcatcaac aaagtacttt cgacacctac tatatgttga tttgaccaac 120
 actggtatcg gtatgttgcg acaatccttc aaaaccttat ttatacattt tgagagggtg 180
 gttgtcatgt ggccatatcg acgtccttct ctatcataag ccatcgcca tttttccttt 240
 gaaatacgat caatccatgt tgctatggct ggactcaagt gacggggaat tttctaaatt 300
 tgattaaaaa aaatgtgctt gcaaggagt tagcctggca ttaaatagtt agcaacaaca 360
 attttaagta tatatgaaac ttanattaac gtgaccatca taaatgaaat cttacccaat 420
 tcttcaacat ttcttt 436

<210> 23303
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 23303

agctttgatg caacattttg aaagggttaat gaaacaatga gatgatgcg tccatgagag 60
 gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gaggggaatga 120
 tgggtgttct agacaaaatc aaattgatgg tattaaactc aacattcctc cctttaaagg 180
 aaagaatgat ccggaggcct acttgagtg ggagatgaaa atagagcatg ttttctcatg 240
 caacaactat gaggaggacc aaaagggtgaa gcttgccgcc atggagtttt ccgactatgc 300
 tcttgtgtgg tggaacaagc tacaaaagga gagagcatga aatgaagagc caatgggttg 360
 tacatgggcg gagatgaaaa ggatcatg 388

<210> 23304
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23304

ngaagaaagt ttgtctttta catgcccaac tctctttatt ggtttttgta ttgattgggtg 60
 tatgggtgtg tgtatcttag tctctatcaa ttcatacgtg catcatgcat catcatttag 120

gaataaggag aaagtttata aagttagaaa ttttttgcag tagtcaaaac tctttggttt 180
aatggaatac aaccttacia taatcgatta cacaagttgg ttttaagctt gcaaagaagt 240
gtctcgtatc ggtttaatca attataagct tatcgtaatc gattacacia ttgtttttga 300
gacaatgatt gatttattca ggagtcctctg cttaaataca ttaccatgtg atattatcga 360
atacttctct tttaaaagt 379

<210> 23305
<211> 394
<212> DNA
<213> Glycine max

<400> 23305
agcttgtagg gttaaagttt catgattgcc acgtgttgat gcaacaattg ttagccgtgg 60
ctatacgaga catcttgcca aagaaagtca ggtagccat aactcgcttg tgctttttct 120
tctatgccat atgtagcaaa gtcgttgacc ctgttaagtt tgatgagctg aaaaatgagg 180
ccgcaattat actatgccag ttggagatgt atttttcccc tgatttcttt gacatcatga 240
ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tagtcctatt tatttgtggt 300
ggatgcaccc ggttgagcga tacatgaaga tcttaaaacg gtatacaaag aatatatc 360
gcccagaagc atctattggt gagaggtaca atgc 394

<210> 23306
<211> 327
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23306
tataaaactc aactatgctg ctatatttac atagacctcc tcaacctttg ctttataatc 60
aaccacagca gaacaaatat gacctctcca tccacagata caacctgga tggaggaatc 120
accctaactc agatgggtcc agccctcagc aacaacaaca gcagtctgct ccttccttcc 180
aaaatgttgc tggcccaagc agaccataca ttctncacc aatccaacaa cagctacaac 240
cccacaaaca gccaacagtt gaggcccctc cacaacctta cctcgaaaac ttgtgagaca 300
aatgactatg cagaacatgc aatttca 327

<210> 23307
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 23307

agcttatagt tattggaggg agaataaaac aatccaaaat caattgtacc tttcaagtaa 60
 cgaagaattc tttttgcgac ttttagacga ggagaggtag aaacaattat gaggaagagg 120
 tagaaacaat tatgaaaaag catatgaaag gaagtatgat aaatctaag ttgaatgttt 180
 taattgtcat aaatatggcc attactcttg ggagtgtaga acaaagtgtg aagagaaggt 240
 caatcttggt gatgataaag aagaagttga agagtcaaca ctactactat cacttaataa 300
 tggtgagaag gaagacaaat gcttatggta tcttgacaat ggagcaagca atcacatgtg 360
 tggatgcaaa ga 372

<210> 23308
 <211> 306
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23308

ttttttacga cacttattct acgacggttc ttataaaaac cggcttaaaa aatgagacgc 60
 ggggctattc gtaattatag caatgaaaaa tgccttttac gatgcacatt ctagaacggg 120
 ctctagaaat cagttttataa tgttatatct aataagattc acgataaagt ttataactaaa 180
 acccgactta atattgctga aacaaaataa aagctctgta gtactcatgc tggcctaaag 240
 tcacactcga catctgtcat actntctcat gtgaccttta actctcatac tcactcatta 300
 gctcac 306

<210> 23309
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 23309

ttgcatgcaa gctttgtatc ccagggaagg gattcgagct taatgttgat ggacaacctt 60
 tgaagattct aaggaagaac atgaccatgc tcgctcagac atggagcggt ctttctttgt 120

ctaaccatccat tcctacctcc cacacatttg atgtgacttt ggactgagcc aaattgattt 180
atgggattat tatgaagatg gacatgaacc tgggggtacct catctcctac cagatctctc 240
tgattgcaca acatgacaca tccaaacttg tattccctgc cttgatcacc actctatgca 300
aggctagagg agttcaatta gactctagat ccctggagag cttgagccct gccattaact 360
ttacatatat ta 372

<210> 23310
<211> 385
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23310

aaccttctat gaatcttogg taatatcctg ctaagtccaa aaaactccta atctcaaaaa 60
tagacttaag actctcccac ttcagaacaa cttctatctt aaaagggtct acaactatac 120
ccccttgaga tatcatatgc cctatgaaac taactttctc taaccaaaat tcacacttgg 180
acaacttaac ataaagctgt tgggttcctaa gggatgagg cacaatcctt aagtgtctct 240
cgtgtctctc atgttcttca tgttctctc taacctgacc tanagtctat cttgctaaac 300
acacaagctc ctaccagctg gtccagaagg tcatctattc tangcanagg gtacttattc 360
tttattcgtc accttattca actga 385

<210> 23311
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23311

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acttcatgaa gttatgggtg aaagaactgg accttcaaaa actagtggac caaaagaatc 120
ctgaggactg agttgtggtt agagcctcag gtatcaaacc tgtgcttgaa ttataatcat 180
tcttttggtc caagatatac caattaagta aagggatatg ggttgtggtt tgatatatca 240
atcttactag gcgtaggtag tattgatatg acaattggta gagttatcat ggatttttgg 300
catcctgtta taacttatta tattgagaat caatctctnt agcctgcgaa tttattgtct 360

tctgagttcc atgcttaggt cttt 384

<210> 23312
<211> 378
<212> DNA
<213> Glycine max

<400> 23312

attaccatat atgtgtaatc gattacacag tgcaaatttt gaattcaaaa ttaataact 60
gttgtaaadc aattttggcc actggtaatc gattacatcc tctaataatc gattaccaga 120
gagtaaattt gtttgagaaa gactttttta cttaaatttc ttggccaaac cttttgctac 180
ttcaattgga attcccttcc tatttaatat accctttcta agactctaga gactgtcttg 240
atcatccatc ttgaatatcc ttaatttctt tgtcttgaat aaagctttga gatgcatgtg 300
aacctttggc atcatcaaaa cattcagctt gatcctttgt ctacaatctc cccctgttga 360
tgatgacaat tcctgaaa 378

<210> 23313
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23313

agcttgcatg atttacatct ccctctttct caagcaaatt cttcttgata tcatcaaaat 60
cttcatgatt tacattctcc ctttttttga tgatgacaac cacctatagg ttaggagcaa 120
caacaaagaa aatatctatt tgcataatgt ttactcccc ttggttttac attgattgct 180
tatatgagac aattgaagat ttcataattt tcatatataa aaagttatct cataaaacaa 240
tagatatttt gcaatatact ctcttcaaga gaagaatatt acaataaaga tcatgtanga 300
atccttatag attttgcaaa gtgttggcca aggatttctt tttgagagag catttgacaa 360
ttgaagttct ttggaatctc tctca 385

<210> 23314
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23314

ggctaattaa cctgaaattg agagaaaatg attattttca cacaaaatga aaataactaag 60
tatttattac ctatacttaa tagaaaatac ttataacact acaaaataac cataaattgg 120
gagagtttga atcaatctat acaagtttta tacacaaaag ttagtcattt tcaccgacta 180
acaactcccc catattttata gttttgcttg tcacttgtcc tcaagtgaca atgacatgca 240
gtgaactatg tacaaagggtg tatgctacaa agttattgat tgcattgatga gaaagatgaa 300
gcatgtgtac ctataacttg tcttcacaaa atatgcggat attcaaagag aagaatanaa 360
tgtgaactga ac 372

<210> 23315
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23315

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ttctgaacac ttgggtgacg ttttataact gatataacct gngaaaaaag aagaagaaaa 120
caagtatcct ttatttttct ggatttgatg ctacagagtt gaagtcaatt gaacatctta 180
agagccaaaa gattagtatc taacaaaggc taaaattaaa gtatgactaa gttttagact 240
taggattagt ctcataatca cttcaaagat cctaattaca gtgggttaca aaaagaacaa 300
gttaaaagtc aaagccataa cacacctcct ctgctagtct atctcccatt acatcaacac 360
catcaaatgt caacatgg 378

<210> 23316
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23316

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acacaaagaa ccagtttctt tggattggct ttagaaattt tggaaggcat aacagggata 120
aaaatttgta gatatgagcc ttatatgcat tgcttttagga tatttggttg gagcaaatg 180

gttcaattnt aggagtcctc attggcttta gatctgcaca taataggatt gtctccatac 240
catctctntg atattcagct caagggttagg tttgtctgat aaatgctaac taaagagcta 300
tactatatca caactttntg gttcanatga ataagttttg acaagaaaga aaactntntt 360
gtatcatttc attatactaa tactaaccaa aagggtattaa caaataacaa ctgagtatta 420
ttaggattat acataccgta ct 442

<210> 23317
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23317

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cctttttcta cttaaaaaga aatgacatgc atcagcaatg aaacaacgta gcaaacttac 120
atggtaccag gccaatgtac aacagatatg ttgaagtttc tctgttcctc ctgataaaac 180
actgtattgg agaatcacga ggaccangct attcatgcac aaaagagaaa cataacataa 240
gaaacagaat accctaaagg gaaaaaaaga taaaagatta ggcaacacaa gaggtgaaga 300
atttatcacc tgcttcaatg aaatgggaaa tgtgagcctt ncacattggt caggagtctt 360
aacaatctct ttcgtaac 378

<210> 23318
<211> 424
<212> DNA
<213> Glycine max

<400> 23318

ctataaaact cagcttgagg tacacctgga tctctgtttg ttctattgtg ctgattatat 60
accgcgtttg gacaacgaac aggctttgaa aatagtgcgt agcacacaac actatgaaca 120
cagggaagg cattgtcctg aggaccctcc tacttgccct gtgccaatcc ctaaaggtta 180
caaaacaccc atcgagtggc ctagcagcag agataaggac attctttatt ttaatttatc 240
ggcaaagtgt aattgttatg gggaaaaatt aaacttacca tctttccctt gggtcttctt 300
ttgcactaag ccaccttata gttataactc acatgtacac acacttagtc ggccttttat 360

atatttcagg ctaataatTTT gctggccggt taaaaaacat atggaccaca cgtacacaca 420
actg 424

<210> 23319
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23319

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tataaatagc tatgttaagt caggtgtctc ctcttggact cattttcgtt tttttccctt 120
ctctttctcaa aatcctttct ttttcgcgca actcaccaaa tctgtctcag aaaaataacg 180
atctcggact catttaccgt tggattgtcg tgaaatttta gcagcacgtt tgcaacccaa 240
tttcgagcat tctcactgtt gggaattgta aaaacatgtc ggagctaaga gaaatacctt 300
tcgcaccgta gctttctcat ttnccgtaga aaccananaa agtctcagta aaactacaat 360
cc 362

<210> 23320
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23320

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tttgctTTTT agacatgact cttgcttcaa taacatgggt tgctagtctt gtaaccacca 120
acctagtacc attgcataac ccttgtgatt gatacatgtt ccttaaaagc attattgggg 180
taccacctt tagtTntatc ttatgattag gaagaccaaa tgttctcaaa ctattgagaa 240
attcacttgt gaccacttca agtgcatttc attcaaccat ttttgacttg tcaattgaat 300
aagaacttag atattccctt tgatcacctg aaaacaattc attaataaaa acattgtaga 360
atcaatatta attatttaaT caattgatta tttgtgagat acctggatta aagaaaaaca 420
taatcttatt tga 433

<210> 23321

<211> 394
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23321

 agcttagacc tttgntcatt tttgatcatt tgggtatcgt ttcctatacc cagctgggaa 60
 gccttttgat cttgcatgtg catcatgtag taaatTTTTT cttttttcag gttgtaaact 120
 tccttctcta cctgtaattt gcttcacttc tcccccttaa tttgctagac ttcattctca 180
 attgctttgg ttcctcttct ggcttctggc atttcaaatt gaagggtgagc aagttgaaat 240
 ttataaatag aaatacacat attatttggt gtgttatata aacctcattn tttacggggt 300
 atgaatacct aaacctaaaa atgttatttg tatcatagag gtctatatca gaaaaaggta 360
 caaattaaaa catagaggtc tatatcaagg attt 394

<210> 23322
 <211> 343
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23322

 tntcaaacct tgatagaaga accacaaaaa catccttctc atccatgcta agttgaaatg 60
 aaatcggcac taccataatc acgatgggtt agattcgaca aattgagaat ggaaaagtag 120
 catatgaaca tgggaagaag aagccccgtg gaggattttg agagtcagag aaatgggtcca 180
 agctccaagc aagagaacta ttattatata agaggaaact atacatacta cgtgtctatg 240
 aaatacggat actctagtcc cttgtcgtgt tcgngnccn acacacatcg tgtcantgtc 300
 tgacaccgac acgacaccg tattacgttc tatattttgg aca 343

<210> 23323
 <211> 392
 <212> DNA
 <213> Glycine max

 <400> 23323

 agcttcttct tgcactactt atcatgggtc aacctcact gcaccctcac cctcttgga 60
 tcgccctcag ccggccgatc agcctctccc accgatcggg aagcccacca acggctctga 120

tgagtcctcc ggagaatggc acaaaaagca agaagagtct ttggtcagtg gaaatattat 180
 tgtttcacat gaatcacctt aatTTTTTct cctTTTTctg ggggggtggg tttgggtttg 240
 tgaattagtg cacttttgcc caactttgac aatgagttgg tgtaattaaa tttaaattatt 300
 gttattgtgt tgttgttttt aatTTTTatt ttagacttct cacaaaagag tacatttagg 360
 ggtaaccatt aaccaataac caaccttgta tt 392

<210> 23324
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23324

caaactcagc tgacagccac aactctcgca cctgtagagt ntaccaccct ctacatcgga 60
 caatacttat tcaagttgag gggcttgaca aactcgcaac cctcttactt gtcaaggcta 120
 ctacctttga caccataaat ctcttttgcc aacaagctaa ctcaaagctt gggggattat 180
 gtactgcccg ggggtccacaa aatggacgtg gcaagtgacg tggcactcca atgagcacgt 240
 caaccctcta tgtcaacctt ggcataggag cacagacacc ttgcccttag cagccaagct 300
 actgggccga tagggatatct ctgatacctt attatttgaa tattaatgat aatgttagaa 360
 ctcccttatc angtgacagg tacctaatta tctataagcc acancttatc tactagctat 420
 taactataag ctat 434

<210> 23325
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23325

agcttgtaat aatatcctga gcataaaaat tccaattcta acagctggca caattgtttt 60
 ctttttgtgc aaataggttt taattttact atcgagaacg ggtagatgt gagtaaaaaa 120
 aaagtgcttt tgatatcata tttaggaaac aaaaatcggt ttttaattaa aaaataaagt 180
 ttatctgtgt agaatttgta ggatctttct ttgcccattt tttacaaaac aaaaaatagt 240
 ttttttatcc caaaattaca aaataaaaaa ttacacaaat aatacaagtg taaaaatatt 300

tgccaaagtg aaaaattggt cccctcaaac tgatgtctca aagtgtatga aattctttnt 360
 tttgctttca atgttgggaa atcgatttcc atgcaccg 398

<210> 23326
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 23326

ctcagctaac aatccttggt atctattatg gaatatttct atccctatca catagcttac 60
 ctcatccata tctttcactt caaagtttct agagagaaat ttcttagtct catgaagaag 120
 accaagatcg ttagttgcaa gcaagatatc atccatatac agaattagaa aataacctta 180
 ctcccactga ccttcagata catataccga taaatagtat tttccttaaa tctaaaggaa 240
 acaatgggtat cattaaacct caaataccat tggcgggaag tttgctttta gactgtatat 300
 ggatttcttt agtttgcaca ccatgtgttc ctttcctttc actgagaacc ccattgggtg 360
 gtccatataa acattatctt cctaattctc atttagaaag gcagttttca catccatct 419

<210> 23327
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23327

agcttggtga cacgtggaga tttacgtcat cttccgcgct cacaagatct gtcattattga 60
 cttttgagtc acgctgacgg gcggaaatac ccgagtgggt atccgtataa actttttgct 120
 gtctgtaaga cgtaaagcct tataacacgc agagactaac gtcgtcttct acgaccttcg 180
 tcaatgcggg ccgacaagcc catttaaaag cggagattta cgtcatcttt cgtgctcaca 240
 agatctgtca tactgacttt tgagtcacgc tgacggggcg aaatacccgga gtggttatcc 300
 gtataaactn tntgcattct gtaagatgaa aagcgtaata gcacgcagag actaacgtcg 360
 tcttctgcgc ccttcgtc 378

<210> 23328
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23328

taatgaaggc gttatcagat atgtactaga agccgttgat agccaacaaa gtataacttga 60
 tgcgtcggtt gttcaacctt aagatgggag aaggatatctc tataactaat catattaatg 120
 aatttaatac tattcttgcc cagttgaagt cgggtgcagat caaatttgag gatgaggtga 180
 aggcattgat tctattgtca tcaactatcgg atagttgggt tgcaactggt actgcagtta 240
 gtagttctac aagagagaac acattanagc ttagtgacat tcgtgacttg atcttaagtg 300
 aagatgttcg caagagagat ttangagaat cttctagtca tgtttccaat ttagcattga 360
 atactga 367

<210> 23329
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23329

agcttgtgca aatcaaata ctcctacatt ttatctctag catgcattgt atgttgggtct 60
 cgtcctttgt cacgggaagc cggaagggtcc atatcacctt ctttaattgta cacatggggc 120
 actacgcccc caaatgagca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180
 atgcattcat atcatgcac gcataagcat ctcttcataa catcataatg gacatatcct 240
 gcatttgtcc gttatcatat tccagcctca cattttgcat gagtcatggc atcatcatgc 300
 atatgcgttc aacaaactnt ntgatctgca naatcgcata ccatntgttt tcatgtttgc 360
 tcatccttgc gttntcctct ac 382

<210> 23330
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23330

tgaaagtgtg taaccaacca ttntctcatt gtataactac cggaacgtgt atactatcat 60
 tgtgatcatc tttttctctg tcattgaagg tgccacttga gctgtcaagt cctccacct 120

ctgggcgtat tccttgaatg actcatgctc ttttttacac atgttttgta gttgcgttct 180
atccggagcc gtatcataat tgtactgata ttgcctaacg aaggcaacca ttangtcctt 240
ccaagaatag actcgggaag gttccaagtt agtgtcatac cctaatttcg tccgggggatt 300
attacttgac gacatgcaac ctttgattgg tccgttcaag atacttggca ccctttgttg 360
cacaatatgt aagtcttgag acgcaccgga agtcaaagga agcanggtta tgcgatccgt 420
gaaattccgt aatgtggcgg aaaccaaag 450

<210> 23331
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23331

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aaaaataata ataaatttca tattttcata taaaaaaca gctatttttag aagaaaaaaaa 120
cttttctaaa tttcagctgt gttttcaaat aactttgtta ttttgcaaac attttttatt 180
ataaaaaaat agttgaaata agagattata atcttttcca aacataatcc ttgttttaca 240
aaatatattt tgtgagaact taatacattn tccttatcca ataatgagct tcatctagcg 300
tataataact cataaatnt tattagtata aaaaaactca taatttataa aataaattaa 360
tntatttata tcattagttg act 383

<210> 23332
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23332

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gacaaattgt cagtttggtg ggaaaaaat gcttgtgcac ctttgggact tgggaccgta 120
tgcagaaagc aactttgggt tttgtaaatt gaccctctta accttttggt ggtaccatgg 180
atgtaattca aatatggaat aaaaaacgaa acctgaagga gctcatctca ctccctttta 240
tttgatctgt gtgccaatcc tgcttttcaa attaaaaata aaaagaaagg gggtgattta 300

ggatccttcc cttccactaa actaggtaat ttatatagaa atacaatgca aaatagncaa 360
atgttttatt ttctctcttt cctgatcttc aagccttctt cagtgaagca tatgtttctc 420
agtgcctatc nacctcagaa ctaagcacct gtctaattgg gggagtatga aacagttcta 480
aagagn 486

<210> 23333
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23333

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gacaagtctc tagtcttaga aagggtatat taaataggag ggggaattcca attgaagtag 120
caaaaggttt gaccaagaaa ttttaagttaa aaagtctttt acaataaatt tactctctgg 180
taatcgatta ccagaggatg taatcgatta ccagtgacca aaactgattt acaacagcta 240
ttaaaatttg aattcaaaat ttgcactgtg taatcgatta ccagcagttt ctgaacattt 300
taattcaaat tttaaagcgt gtaatcgatt acacacatac tgtaatcgat taccagagga 360
gaatttcaga gnacagtttc aacagtc 387

<210> 23334
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23334

tgagatngag ataagaacat acatatttta natattttta cattaccgna tatcacacca 60
tatagtcttt caattgatgt attgtgtgaa tttggttcat tttaaagtaa aagggaatgta 120
ttttagagaa tataaaatac taataattat tattaattca aaactaatga ttaagattat 180
ataattaatt ataaaattta ttatatttct atttaaattt ctctgaaatc ataatcgtta 240
atttttttta ccataatcat aattaagatt aattattaga agtataattt attgttttaa 300
gtgcttgtat acttttgact ataaaattct actagtttct gtttgtttct gtcgtattta 360
gcacaaaaac gaagggcctg tattacgtca aagcccacaa gttacagtta atttgtaaag 420

ataaccctta acgaagtcac gttttt

446

<210> 23335
<211> 363
<212> DNA
<213> Glycine max

<400> 23335

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agtaaaaagt tattgtcggt tgaattttct aagagtttcc attttcaatt ttgagcgtct 120
cgatatatta cgcgactcaa ccggacatcc gtgtataaag ttattgtcat ttcaatttgc 180
tcagagcttc tagtctcaat ttgagcgtc tcgatatatt acccgattca atcggacatc 240
cgagtaaaaa gttattgttg ttgaatttg ctacgagctt cccttttcta cttggagcgt 300
ctcgatatat tacgttactc aatcggacaa ccgtgtataa atttattgac gtttgaatat 360
gct 363

<210> 23336
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23336

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atcgagacac ttgaaattga aaacgaaaac tcgtagcaag tgcttaccgc aatcactttt 120
aaatcgtcgc gaaataaatt gacatgctcc aatttgaaaa agaaagttca tagcaaattc 180
aaacgacaat aactttttac acggatgtcc gattgagtc cgtaatatat cgggatgctc 240
caaattgaaa acggaagccc ctagcanatt caaacgacaa taacttttta ctcagatgtc 300
cgacagaggt tcgtaatat ttgagacact gcannatgaa aacagaagct cgaatcanat 360
tcaaacgaca atatcntttt tactcga 387

<210> 23337
<211> 376
<212> DNA
<213> Glycine max

<400> 23337

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gttgatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120
tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180
aaagaatgat ccggaggcct acgttgagtg ggagatgaaa atagagcatg ttttctcatg 240
caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300
tcttgtgtgg tggacaagc tacaaaagga gagagcaaga aatgaagagc caatgggtga 360
tacatggacg gagatg 376

<210> 23338
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23338

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cctcggaagc aaaaaaagaa tagaggggaa atttccaatc aaagaaaaag agaaggaaaa 120
tttccaatga aagcaaaaaa agaaaagaag gaaaattccc caatcaaaga gtgggagaaa 180
gcaaaaaaag aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
gaaaggaaaa ttccaatca aagaatgaga gaaagtaaaa aaggaagaag aagaaggaaa 300
gaaagctcct gatcagggat cgaaggaaaa cagaagaaat gtgcagagag gtctttggac 360
cggancatat atgaacaata cagaatt 387

<210> 23339
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23339

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cattagtttt ggagttgaaa aaccaaatat tgaatgacat caattggtgg taatggctac 120
taaatgcatt cttgatggta gaatgcctat atatagcaca tgtgtttgat ccctgagctc 180
acatctttca ttttcgtcta atacaccatc tacagagaga gagagagctt agaagaacca 240

aaacaaagta gctcttcatg acaatgggtg gaggtatatt tagattttgt ttttcacatt 300
nttaatgaca tgtgtttcat tttgttggtt gtaacatcat aggtttgata ntttagtctt 360
acatttgata tta 373

<210> 23340
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23340

ntgagcttcg aaaaaagctc tccaatcgga tccaattttg gttggctttc gccagtcatt 60
gtgcacaacg ttctataatt aaatgggtaa acctttttatc tttcataaag taatacataa 120
tacttaaaac atcctgacat agacaataac ttaatgtaag aaatgggata aaaaaattga 180
cagataaagg tgcttttgaa ttaattaagt atatagctaa gtaacttacc aagttgctgc 240
acatgacctt gtattcatcc agaaatacct tgaaagtgat tgaattcgac acttgatggt 300
ataataagta ccattttgaa aaaagttttg catcattggc tggtntgata tggtcagcaa 360
gaagagaccc tgacataatg ggtaatgtca cttgtgattt cctcga 406

<210> 23341
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23341

agctttgagc caattcaaac gacaataact ttttactcgg atatctgatt gagtcccgt 60
atataacgag acgctcgaaa ttgaatgttg aagctccgag ccaattcaaa cgacaataac 120
tttttactcg gatgtctgat tgagtcctgt aatatatcga gacgctcgaa attgaatgtt 180
gaatctctga ccaaattcaa acgacaatag ctttttactg ggatgtctga ttgagtccca 240
taacatatcg agacgctcga aattgaatgt tgaacctctg agccaattca aacgacaata 300
acgttttact cggatgtctg attgagtcct gtaatatatc gagacgctcg anattgatgt 360
tgacctctga g 371

<210> 23342
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23342

taaacattca ctttcgagcc tctcatatat tacggttact caatcaaaca tccgagaaaa 60
 aagttattgt cgggtgaatt tgctcaaagg ttcaacattc aatttcgagt gtctcgatat 120
 attacgggac tcaatccgat atccgagtaa aacggttattg tcgtttgaat ttgctcaaag 180
 gttcaacatt caatttcgag cgtctcgata tattacggga ctcaatcaga catccgagta 240
 aaaagttatt gtcgtttgaa ttggctcaaa ggttcaacat tcaatttcga gcgtctcgat 300
 atgttacgag actcaatcag acatccgagt aaaaagctat tgtcttttga aattgctcag 360
 agattcaaca ntcaatttcg agggctctcga ta 392

<210> 23343
 <211> 245
 <212> DNA
 <213> Glycine max

<400> 23343

agctttgttt tacatacggg aaagaagatg ttgcacatgg gcaccgaaga tcacacaatc 60
 agctctgatc tatttcacga agatgaagag ccacctgacc ggaatgacct tgatacagct 120
 cacgtgatgg aggaaagaag acctatcacg aacgtccctg aagtgggaac tttattggat 180
 cctggataac acgacgatgc gtccagctag tgacattaaa tatacgctta ctaagacgca 240
 accca 245

<210> 23344
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 23344

catgacgcat acgcttttaa agcctctttg tttcagccac cagagggggc gcttgtgata 60
 gtggacactc ctatagcagt tttgtatcat agcgcgaaag cacgcctatc ttccaatgac 120
 cgagatccgt taacactgct cttaaacgaa gggaccatca gtctctcccc ctogaacgaa 180

tttagcttcc aacacattgc cacacctaga ctcttgcac ccaactcgcca ctctcccctg 240
gagagctctg tttatgctcc gaagtcacaa aaagctgagg gtactgcgtc ccaagagtgc 300
attcgccgta ccacttatga caccacgtac acacaataat gctctatcaa acacccaaac 360
attcctaatt gctaatacc 379

<210> 23345
<211> 389
<212> DNA
<213> Glycine max

<400> 23345

agctttggtg tttagtgacc tttagtgagc ccagctgcta gggttttagg agtgggctgg 60
ttattgttca cgtaaagagg attgtagggt ttcattttca gttttcgggg ttactgttca 120
cgtagcaact ccattttcgt tttctggttc aaattctagt ttcgttttct gcttttaatt 180
ccagtttcgt tttcatttct gtcttctaata ttcatttcat tttctgcctt tgatttcctt 240
ttcatttctg ctattaatgg aaggctgaat ctctagtgtt gttttctctt gaggattaag 300
aatagctctc tttgagggtt tgttattaat attaaattct gatcattttt tccccttcac 360
gaattattct gtatttgctg ctgatatta 389

<210> 23346
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23346

agtcttgggg tttanaaact gctaaaggaa atataagcat cacattaaat taatctgttg 60
atattggtca accaatgata ttggattact ttcctaattgt gtgactgaaa aaggatctcg 120
atctcaatgt cttttggaat tctctaattct taacactgca tctttaattt attgattggc 180
tttgttggtg tgggtgttgt ttatctctaa gggtatatag agacttttga gatgttttta 240
gagcattagc tgcagtactg ttatgtacta tcttcatgat gtagctcttg attgctattc 300
ctgttagaat gccccagaat acctgttgta ctgtttcaac ttttaactct caagggtggc 360
ccagtatttc actttttggt ntaactt 387

<210> 23347
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 23347

tacataaaca ttcgctagtc caacacacac tcaacattta gtcatcatta ttcaatagtt 60
 ccaatcaatc atgctcagta tgatgcatgc acctgacctc aactctcaaa tgcaatgtgg 120
 taccatcccc aaggaaatag cctaagtgtg tccacacgac actctcactt agaaaaatta 180
 agcagtaagt gtcgaggtaa ccctatcgtg cacaggcaac tcccccccc cctaccacag 240
 gtgatcagcc tgagtctcaa gggagtttca aaccgagtga catgccccca agtacaagta 300
 ttcctcctca tgagaaacta caagtactta atgacaaagt ttatattatt tctatgtcat 360
 atgaagtatg aaacatggac accatcaatg cactgaccgt agataattaa agattctaag 420
 ccatccccct cca 433

<210> 23348
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23348

agcttgaagt tgttttgaag atgttctggc ttttacatgt ctaactccct tgagtggcat 60
 ttgtattggc tgctatcttg gttgttgcac cttggtaagt ttgatatatg ttttgcac 120
 tgcacatca tagtgtctgt gaagaaaaga ttctaagtta gaaaattttt ttttagaggca 180
 aaaactctct gtattaatcg attacagagt tgctgtactc aattacaaca cggtgtttga 240
 ggcttaaaga gttaagtctc atcagtttaa tcgattacag cagtatttta atcgattgca 300
 ctgttggtg agacaatgac tgatttatct acgactcctt attttaataca tataccaggc 360
 ggattaatag attacttc 378

<210> 23349
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23349

caatagacct ccaatcttta atggagaggg ttaccactac tggaaaaccc gtatgcaaat 60
 ttttatcgag gcaatagatc taaatatctg ggaagccatt gaaatagggc cttatatacc 120
 caccacagta gaaagagttt caatagatgg tagttcatca agtgaaagca taaccataga 180
 aaaacctaga gatagatggg ctgaagagga tagaanacga gtacaataca acctataagc 240
 caaaaacata ataacatctg ccctaggaat ggatgaatat ttcagagttt caaattgcaa 300
 gagtgctaag gaaatgtggg acactcttcg attaacacat gaacgaacta cagatgttaa 360
 aagatctacg ataaatgca 379

<210> 23350
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23350

agctttaact gcaattaaat actcaaacat aatcatgggt atgtttttct tatcttgctt 60
 tcacaaaatg cattaaggag gagatatcac aaaaaaacag accataattt cagtagctat 120
 gagactacat cactacacag atattaaggt tcatgggtcta gaatgggggtc agaagactat 180
 tggctttcaa tgcacaacaa aggcaacaaa ggggggtcaaa tataattata tattgatata 240
 ttgatttcta ataatgctga tgtgcttttc aaagtaccta tttttggcaa tttcaagggtg 300
 actatgatag agtttggttc ctgtttctat atggattgag aaagttctgg actattgttc 360
 acttttcacc caacaccc 378

<210> 23351
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23351

actatacaat actctagctt catctacaca catgctgggt tattccccaa ttagtttagg 60
 aaaatgttta atgatgggga aaccgattgc agcgtgagga gagtaggaaa tgaagaaaaa 120
 atacatcttc tagagtacaa aaatcttgta gcaatttgaa gatagactta atttacaagg 180
 atgaaactat ggctcacgaa ctactatgag atcttacaga tgaaattgac tgtgcagaga 240
 cagatgcggt cgggctgtta aggtccctct ccccatatat ttctttgggt tttccgctaa 300

gtctttccat agcatcttga catatgtcgt taaaccattc gtcttcaggc agttctctgg 360
 caacagaata tacatatcag actcttacag atttaatgcc acaactttga atagaanaac 420
 aattgcaa at gcaaagatat 440

<210> 23352
 <211> 468
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23352

gtggggcatt gaaccttgtg atactttgan nacnnancnn nnaaacccca cgcagattct 60
 tggaaccggc cttttggaac ccnttaa atc ttaacgcngc cccaaagtgg gggacttggc 120
 cgaacggtcc ctccttacta ccttaaaaag accgaaaaac ccttaattgt gttataaatg 180
 ggctcagatg acccaactgt tgaaagtga acaaactcaa ttcttatatg aaaactatgg 240
 aggggtggtat ggaaggttga tcagaagtgg attaccggaa tgaggtatcc cgtgaaaggg 300
 ggaaaaatta taccttaatt aagccatttt tttcttaaat ccaacaaaac tgatggtctt 360
 tcttttgttt ttgaaaccaa acgactccaa ggattgaata atatgacca attttattaa 420
 taaaaaaacc tgtttaatga caccaccctt gccgaatggg gtgggacn 468

<210> 23353
 <211> 335
 <212> DNA
 <213> Glycine max
 <400> 23353

tcaagctgtt tctcgatgc tgcgatggtt agtgggagtg atgctcttgc gaacattaca 60
 tcgaaagttt atctgtctcc caagctttgg tatttgaggg ttaatgtgat agaggcacac 120
 gacctgatgc caactgataa gggtagatac cctgaggtat ctgtgaaggc tatcctgggg 180
 aatcaggcct tgaggactag aatctctcaa agcacgagta ttaatccaat gtggaatgag 240
 gatctgatgt ttgtggtggc cgaacagtct gaggagccgc tgattttgag tgtggaggat 300
 agaagtgcgc ctaacaacga tgaaatgttg gggag 335

<210> 23354

<211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23354

tcaagtttga caagatgtct atgtatttag atcaaaatta tgtgggtaat ttaccatattg 60
 accgaaggac taagttacta atatcaccat tcaggaactc ccatgtggct aatgcaattg 120
 caaattgggtt tcaataatgg aaatctaatt ttccctaatt tatgtccaat aactagcatt 180
 aactctccag actatacata gtatgtgggc actctcttct ttatgggtgct taaaagggat 240
 agtttccttt accgtgctgc tagagcaata cgctcataca agtcacgagt cctctttcaa 300
 cgtgtgcatt gcctagttcg gtttggctct aacacgagag tcattcatga ctgtggacgc 360
 atccgatatc anatagttgg gctcat 386

<210> 23355
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23355

gtgaagaatt ggtatatgat ccaagtattt tataagcttt gataattncc gcgtaacata 60
 atcggatctt atttatcttt aaataaatga tcaatttaatt ccttaaaatt atatctcggt 120
 gtcacattaa tctataagac taaaaagtct caaataaatc ctaaaatcta tattattatt 180
 atcacttcaa tccatggcct aaagatcaac atgaaaaaaa atagttaatt ttagagactt 240
 aaaaaaattc tagacctaaa agatgttaga gattacaatg acaatgaaat ataatttcat 300
 ggattaaatt aattatttac tcctaattgt ttcacaccaa ttaaaaaact agaccatata 360
 atgttatatg gagattgatg ggagcatggt ctgataatga ttccacacta cttaccatat 420
 a 421

<210> 23356
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23356

tcaagcttct ggaacaacca ggtacacctt acaactttca taaagtgaca tcatgtaaag 60
ccattttgag gaacctttat gatggacatt ctgaataacc ataagaataa tcattctaatt 120
gtatgctaag agttaatcca tacttgatga atttagttga tgaagtttag actaatatcc 180
cattctaaag tagcacaact tcatcattct aaacacttct ttttagctac aagcattctg 240
aagttgatta ctttagaaaag actaagtaga agttcaattg ctagtgtgtt agcgttttgt 300
tcaaggttag actgagtggc attctttaaa attttcattt tgatgtgtct catcagcgac 360
tctcatggac tacttcaact ttcaac 386

<210> 23357
<211> 432
<212> DNA
<213> Glycine max

<400> 23357

gaccttagaa actcagctgc ttcacatgtc gcttcttttt agcagctttt attctcactt 60
gttaaaggcc cgagatgggt ttccctttgc tgggtgaaga tctttgactc ttcgatctat 120
agtggccaat attcttgcct tttgctgaaa ttaagcatta caattttcag tttatagaat 180
taagctcttt ttaattgttg tcaagtcaac tcaattgaga aaattagaac cacaaatctt 240
ttgggtgtgt caaaaatttc taagagcaag atccattgaa atgattttta tgggtgaaga 300
gatattggta tatttggcat gatgtggatt atttgtttta actttgcagc ttattgattt 360
acaaggtgct ttgataaaga ggtgtttggg tctaacaact cttaatcaaa gaagataatg 420
tctcaccaaa ag 432

<210> 23358
<211> 317
<212> DNA
<213> Glycine max

<400> 23358

tttcatgtat gctttgcaga ccaagccctc cttgacgaag ctacggactt ttttgagatc 60
ctattgatcc ccctatgtga aacattactc gatccattcg tttgggggatg aaagggtgat 120
gctacttttc ctcgcacatg atagcgtgg acgacatttg agagatgatc gtacacaaat 180
gtgtacctgc atcgactaat ccagagtcta ggctctccac acctagacga tatgtctctc 240

tgtaagagct taatcaccat cgttgcatga caggcgggct accaggtgct tccacccact 300
atgagacata gtccact 317

<210> 23359
<211> 231
<212> DNA
<213> Glycine max

<400> 23359

gaagaaattt cgagggtgccg aaacaaaaat ccacaagcga gacacaaaag agagaaaggc 60
aaaagtgaca caacgaccga ctcacacaag ttggaccgaa tgacacaaac tagacaaaca 120
gaaggccctt ccaaagggac caaagtacgt gttacaaacc ccagaaagac aaggggagcca 180
ccatactcaa agaagcattc aatgcaaaga tacccataat agaaccccc t 231

<210> 23360
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23360

ttgcattcta gcttatgcat tcttatcatc atgtcaacct catcttcact caaatctccc 60
ctcttaatat ttggtattag atagttcagc catctcaatc tacgactctt gcggcatctg 120
ttcaacccta tacgtatacc agacgcatat taatgtttat tatttattac aacttatgag 180
gatatatgtc atagctatta tatatatata tatatatata tatatatcat tgcgagtcac 240
aagcatattc cagataacga aaagagaaca tatacaaata taaacacatg catatattaa 300
tattatgggt cttgctaatc ataatatcta ttgtataaat gatngaaaag tat 353

<210> 23361
<211> 111
<212> DNA
<213> Glycine max

<400> 23361

aacttatacc attgggagga gaatcaatga aggcaatggg acagtagttt tcttatactt 60
aaaggcttca atccttgagg caacttcaaa tgtgtatcag caatgtctta t 111

<210> 23362
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 23362

agcttctttt accctcgggt tataaatgtg cttcaaaaga aaagaaaaga aaagagaaaa 60
 agaaaatcaa ccaatcaaag attggaggaa agcaaaagaa aaatagaaaa agaaagaaag 120
 gaaaatacag aaaggttctt tggacaagac aatgtctgaa caatgtgcag aattgtcaaa 180
 aagaaaaaga aaaaaagaag caaacaaaag tttgcttgaa acctcaagga tgtgtgaagc 240
 agtcacctcc ctagttacca accaaacctt tgtgcacacg cttgtcccg ctcgaaccaa 300
 agagaaaaga aaaaaaaaaag acgaggggaaa ggccagaaca cccaaaagcc aaattcccca 360
 ccaaaatcca acttcctaaa agtcctatgg atccatg 397

<210> 23363
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 23363

ttatgcaaga tacctcctag tagcatggac aagctacata aattagcgaa aaggtacatt 60
 cagatggaag aaatgtcgag gttccgaaac aaagttcgac aagctagaca caaaagagag 120
 aaaggcaaaa gtaacacaag gaccgactca cacaagttgg acctaatgac acaaactaga 180
 caaacatcag ccccttccaa agggaccaa gtacgtgtta caaaccttg atagccaatt 240
 gagccaccat tctcaaagaa gtattcaatg cagagatacc tatatagtta cccccctata 300
 cctcctcttg taaggccttg aaattttgat aactgaaaat aaatgtttga tatatttctt 360
 gtgttatttg attaatttca attatttgag gtgttgtgtt tattatcaat gtgtgattgc 420
 ttggtgtgga tgtaggtta t 441

<210> 23364
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 23364

agcttttaag tatgggtaca ttagtaattt ctatatactt cagttttagt atatagatat 60

tgatgataat tgattaagaa gccgtaaaag gaaaacatat ttacaaaaag gaagctgtta 120
 catgacataa agaagtgtca atgatgttta tcaaattttt gtattgactt ttgtacattg 180
 agacttaatt cgattatact cttgatattt taaatgaata aaaaaatagt atttgattaa 240
 taaaaaagta tttgctaaca cataagtgat gagtctaag gatttatatt gttttgattt 300
 gacttttagg gtggttatta tcaaattcaa tagggtaa atcattctt gtctotaaat 360
 gtatagagcg ctgataaatt t 381

<210> 23365
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23365

gcttctatgg agactggatc tttgagcttc aatgatgtcc tttaatggtg tttttcagcc 60
 atggagttgc agcggaaagta aaggagaaga ggcactatcc actagggaat aagccatgga 120
 agaagaagct tcaccaccaa gagagtgtct tagataagaa gcttagagag gaagcttcaa 180
 tggaggaaga aaatgagaga gagagagaga gagaaagtgg catgggattg aaggaaagat 240
 agggagagaa gttgaacttt gaaatgtgtc tcacaagact ttcattcatc aaagttacca 300
 caagtgttac acatgcttct atttatagcc tangtagctt ccttaagaac ctagtgttac 360
 acccctccaa tagctaagct caccatga caaaatacat gaaggaagaa agcttccttg 420
 ag 422

<210> 23366
 <211> 392
 <212> DNA
 <213> Glycine max
 <400> 23366

agcttctgtg cctgatgtg agaaagatgt tccaacatct tccaccccgga atgtttctgt 60
 gcctgatgtt gagaaagatg ttccaacatc ttccggccca aatgctgaag ccctcccttc 120
 acccagtga gaggaatcaa cagaagaaga ggatcaagcc tcaaaggaga ctctgcacc 180
 acgggcacca gaacctgtc caggtgacct cattgacctg gaagaagtag aatctgatga 240

agaacccatt gccaacaggt tggcacctgg cattgcggaa agacttcaaa acagataggg 300
 aaaaaccctt ctttaagaggt ctggaagaat caagactatg gcacagaaga agagtactcc 360
 aatcactcct gccacagcca gaagaagcaa gg 392

<210> 23367
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 23367

tgtagtgagg cttggctaca acaatttatt ggttttttta ggattcaaatt gtttagattt 60
 taagagagca caaatcatag acttatccca atgatcttgt atcatacaag tagctttctc 120
 actatctttt cctcttaagt tgcttttgac cttattgtaa caacacaatt tattcttttt 180
 ttttaacata caacttattt gttgtgtgtg ctgatgctta acctttttct tttcattcta 240
 attgacttcc ctcccccaa ttttagagtaa ctttgccctg aaccatatgc tctcctaaaa 300
 tctaaacaag gtattaggag ataattattt aagtttaggg ttcaattcat gacaaaatca 360
 tttagcttat acaggagca aaggatgcaa ttatcattca aggtaagctt tttggtcaaa 420
 aggc 424

<210> 23368
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23368

agcttcttgc ttgtacctt tgttcacttc aatttttgag ttaggctcta ctcttttct 60
 cttgtacatt aatctttcat tgcacttttg tgccttgag aatttggaga tcttttgtct 120
 ctcttttttt tttctttttt tactcgctt tggcagatct ttttttcttt ttttattttc 180
 attgttgctt aacttcaagc atgcattatt tgcattgctc ttctcgttgg tttagtgggtg 240
 gttccactc aggggtttgca ttttgctttt gttgtttatt tgatgctttc ggaaaacaaa 300
 tatgcttttg ctcgaggagg gtagcaaggg ataaattagt gtttgggatg ttgaaacatg 360
 gacatgtgtc acttcaagtc ttgac 385

<210> 23369

<211> 436
 <212> DNA
 <213> Glycine max

<400> 23369

tactcatgct agcttctaca tcattcttgt taacatgaag tggctcttat ttttgagctc 60
 tttgtcatca tctgtggtat catcaaaact ccttgaatca atcttgattc atcatgaagc 120
 ttgcttctac aaagacaaac tagtaatgtc ttgcgccagt tcaggggtca taacaatttg 180
 ctccccctta acctatacac ataaaaagct agactctcca tcaatatgag cagtagtgta 240
 gaaaatcctt accaaatcat ggtagtatac ttccttcctc tctactaact tcttcaaccc 300
 atgggtactca agaagttatg gaaaaacaaa cccttgacac ttcaaccaca ccaagtctag 360
 atacttgggt tgagattgct ctttctttgc ataactaaac tcgtaagaca cctcgtagtg 420
 cttctctaca aaccat 436

<210> 23370
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23370

agtcttaagt atgctctgaa ttcacgacat tgtgcttagt gccacccttg cacttagcgc 60
 aggtaagtgg actcgggctt atcgctagtc gagtgctaag cctgggttgaa gacacctgct 120
 acgcttagca cactaatctc gcacttagcg cagcaccttg atgctgatgc tcttccagat 180
 tctccttcgc gctaaatgcg ctgatgctgc gcttagccca ctgatgagct aagctcaact 240
 gtcacttttg gaacttcatg acttagcctc tttttttcac ctgaaaatgc acatatttca 300
 tcattaaatc caatggaaat gttctggaga cagctttaat cataaaacaa gatttattta 360
 caggattacg tccaaataac cat 383

<210> 23371
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23371

caccggatag ntcattcttt ataagtgctt aagtgggaatt agagtatcgt atgtataatg 60

ttngaataat actctgtgat tatacttcca aatattcaga actctgcttg gttatgatta 120
 tcaggcaagc aaaggatggt gttaaaggca taaagaagcg gattggaagt aaaaattcaa 180
 aagccaact tcttgacta actgtaagca aaatagtctt gcgatacaac cttttttctc 240
 tttaaactct gatgtcagta ttgctctaga ttcttttggc ctcaagcatg tttgctgtaa 300
 ttgcattttt caaatttcac ttggcctcc caaacttcac attgttgact cgntcatttt 360
 tgaatgggtt tgttgaatga cgacgatgtt ta 392

<210> 23372
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 23372
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 atgattatca atctatcata gattggagga gcgcactaga cccttacacc tcgattgaca 120
 ggaacatacg gaaacgctat tcggacaaga caatgcctga aactgtgca caattgtcaa 180
 catgaaaaag aaaaagagat gtcacaaat cgtctgcttg gaacctcaag gatgtgtgaa 240
 gcatacacct ccctagtctc caac 264

<210> 23373
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 23373
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 ggtacattca gcataccttg tattataggg aatagtaagt tcgagaatgc catgctagat 120
 ttacgagctt ctgttagtgt tatgcctctg tctattggta attctctatc tctaggtccc 180
 ttgcagtcaa ctgatgtgat aattcattta gctaatagaa gtgctgcta tctgttggt 240
 ttcatagaag atgtcttagc tagagttggg gaactgatct tccctcgtga tatttatatt 300
 gtgaatatgg aagatggatt ttctcaagga tcagatccca tgattctagg cagacccttt 360
 at 362

<210> 23374
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 23374

tctagcttgt tctttgatta tactaagctg tgtagcaagc ttagaacaat atacttggcc 60
 ttctcttaat tgtctatggg cttggcgacc acgatcaaca tagtactgtc ggcacctact 120
 atatgatgac ttgaccaacg ctgcttatgg aatgctggga ctatctttca acaaccttat 180
 tcacacattc tgataacgag gctgtcatgt gaccatatcg tcgaccagat gtatcgtaag 240
 ccatgctcca tttttccttt gagattogac aatccatcat gctatggctg gactcacatg 300
 actaaagtgt tctaaatatg atcaaacaca tgct 334

<210> 23375
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 23375

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 acggaacaag agaaaaatgg gaacggaacg gaagcgggcg aactacgaac caagaccaaa 120
 aagcagcatt gccgaaagga atcgagaca ggcttgaccg cgataacctc atggaaggag 180
 ataaaaacat cggactcaaa caaggaacca agacacgggc atagccaaca cgttgaacac 240
 tgactatcac gataagacaa acgcaagaat tgcaacgata tgtgaaccag gggagagcac 300
 aggtataaac ggagccaagc ggcgcatacc gaacaaacag gagcccccat gaaaactcgg 360
 caaacactag agcggaacac 380

<210> 23376
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23376

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 taacgaccaa gaaaaaattg cttttacatg cccttttggg gtctttgctt acagaacgat 120
 gtcatttcct tgccaccttt tagagatgca tgctagctat ttttgttgat atggtagaaa 180

aatgcattga gtgttcgtat ataatttttc agtcttcgat ccctccttca actgttgcct 240
aaccaatttg gaattggtgc tatgacgatg tgtagagact aatctagtgc taaactggga 300
gaaatgtcat tttatggttc aagaaggcga tattttggga aataagatat ctctagagg 360
gactgtagta gacttggc 378

<210> 23377
<211> 325
<212> DNA
<213> Glycine max
<400> 23377

actccttgaa tacctcatgc tgcacatga agcttgcttg taccatgaca aactagtact 60
gtcttaaatgc agttcagggg ttataacagc ttgcgtgacc ttatgctata cacacaaatg 120
gctagactat atatctttat aagcagaatg gaaaaggatc cttaccacat catggtaata 180
tacttccgtc ctctatacta cctgcttcaa ccgatgggtc tcacgaaggt atgcaaaaac 240
aaagccttga cacgttatac ccaccatata tacataactg ggttgtagtc gctctttctt 300
tgcacacta aacttgtaag acacc 325

<210> 23378
<211> 380
<212> DNA
<213> Glycine max
<400> 23378

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tctctcacag tcttttagatt tgggagccaa tccagtcctt gtgttcagac tctcagctca 120
cttatgatag ccgcgatga tccattact gcttcccta agctctctgt tctttcttca 180
cgctgcatcc catgccttgc gaactccttg gactaccctc gcgttgcgga cactgaaacc 240
tcgtgcgatg aaaggcgtga tgctttcgtc taatggcgct cctctcatgg ggtagccaag 300
ctgtcttatg gtgagaacgg gattataatt aatacaacc cttgttcca tcaagggaac 360
attcgacat ccttcgcatg 380

<210> 23379
<211> 416

<212> DNA
 <213> Glycine max
 <400> 23379

tgtaggatta tggggtaccc atcacttgtg gtactatgtg gcggtcgggc gatggtgctc 60
 aacaagtttt ccacatccac aaagcgcgca taaaccacc atccctgtt gccacacctc 120
 aactgagctc acgtactccc acgtagccca taccctcgtt cctctcaaca ccgagtcctc 180
 attaatactc ccaagctttc ccaacatcca agtaatacaa cattcagaca gcacaaatta 240
 tcacagccaa gcaaaacagg gcaaaggcag aaaactctgc ccaaaacacc aaccaaatac 300
 acagcttttc tactttaag accccaataa taattccttc gttccaattc gttaaccggt 360
 ggatcgactc gaaaattcta ctggaagtct ctagtacata atcctacatt gtgacc 416

<210> 23380
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 23380
 tagcttctac ttatgtggca gggcggttt ccttcacttt cttgtttcca acgcgagctc 60
 tgaccactgt tcttccttcc cgcgatgctt cttttcatgt ccgcctgagt gggcttatat 120
 cccaaaccat acttcccacg attcccatgg gattttatca gactagttat gccgccattg 180
 tctttgccta aaccatccc gggttcataa ccgttcccca acataactcg gtccatcatt 240
 accgccgcct cggacagaca aggttgccca tagagggagt ccacggagga aatgctgacc 300
 acctcaaaag actggaaagc ggtttctaac gactcttctg cggcttacac ataaggcatg 360
 gaggatgggc agctta 376

<210> 23381
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23381

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 cgacaccgtg gtgattaagc gctagacaga agcaccgatc agcatgtggc aacatccacg 120

atggaagacc ctatggaaca acggatatcc ctgctacga gccgtggaat aaatcccgag 180
aggacgcctt ctgtctgcaa ccatgtatgg actaaaagat acaagggggg agcctaaatt 240
gaaggaagaa aaatggacat gaagtggaac tgattggtat ctttcacatg accatgaatg 300
atgatggtac acatacgtta tcatggccta atgtatagac taggaaacct ncttgagaac 360
ttcttttaaa acatttcttg caaccgcctt cn 392

<210> 23382
<211> 374
<212> DNA
<213> Glycine max

<400> 23382

agcttttaggt tgctcattga ctccagattg ctacaaagaa ggacaaagat atgtatggtg 60
atctgcagaa gaacatagac cacagactct tgcaacaggt gcagatttct gattcatggc 120
aagctgagtt actagggtga ccaaggcatc aagttttccc tcaagctttt tattttcagt 180
agatgaagat gaatctgtag ccacctcatg gactcctcta aggacaatag catcatttct 240
tgcactgaat tgttgggaga tggaagccat cttctcaatc aatttcctag cctcaacaag 300
agtcatatca ccaagggtc caccactgcc agcatcaatc ataatcctct ccatgttgct 360
aagtccttca taga 374

<210> 23383
<211> 146
<212> DNA
<213> Glycine max

<400> 23383

acctattaat actcagcttc tctgtaactt ttatccaagc actctcttgg tgttgaagct 60
cttctttcca tggtttatc tctagtggat gacgtctct ctcaccttgt ttactttatc 120
ttgcgctgca actccatggc tgaaaa 146

<210> 23384
<211> 392
<212> DNA
<213> Glycine max

<400> 23384

agcttatgga ataagcttgc aaagaaagaa aacgataaag gaagcaagtg aataacagag 60
aattaattgg cttacataaa taactaactc ttaactaact ttcaactaac tccattaact 120
gtagttacat gagattaacc aattaaccaa ctctagttac aatgttctat gctaagataa 180
catgagtttg ttccaaaatt cacaaataat gttgtcggaa aagaatgtaa acaacatatt 240
agaatgtaat tgagactcaa acacaatcaa aatgacacaa acaacaataa gttacattgt 300
tataagcatt aaaaaatata ataaaatagt tgggttagtt tgggtttgaa aaaaatgtaa 360
acctactcaa accaattaac attgagtatt aa 392

<210> 23385
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23385

ntacgatacg tgcaccctan anagcacgaa catatcctct cctttntcta tggtaaaaag 60
gggctgggga cccaaagaaa gcaacacata actacaaaaa ggagttaa at aactagca 120
tggagcaccg tacagcatct tcaaaaatca aggatttggg accctcaaaa gcaactgata 180
gcctttgcct gnggggttgag gcagtaatat gccaaactatc aaccaatctc tctccaaccg 240
tgtattaact taaccatcca atcgtggtgt tttatattcg agagaggagg ttagtatata 300
gggacaggat tgggatctta cagttgtgtg atgaatgatg atggccagcc atccttaaaa 360
aatggaaaag tggaaaaatg tcaaaaatca attctggaac tctcataaaa aaactagtn 420
taccattacc c 431

<210> 23386
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23386

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tctcaactaa gtattctgaa tattctctcc tctctccttg atagtagatt ttattagtaa 120
ctcaaaaaaa tatatttctc aatcatctca aactaacctc cttatatcta tcatttatag 180

caattataat ggatataagac ctttttgggc tccacttttc ttcagacaat tttattcatc 240
gattgcacgt gataacacat ctctttcctt cctgtgtcat aattgagggg ttgccccctc 300
ctcaactgtg cactcccatt ntttatgtac ctttctcccc ttttctttta gttttctttt 360
aaaaatatag atcccttagt ctttata 387

<210> 23387
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23387

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gactactata ttacataaaa attccttgta ttagtattca tatttgtagg ggtagtaatt 120
gtaatattct tatatttttt gttggatatt taaatgttcg tcatattgtt acctatactt 180
taattaatta taaaaaatcg ataaataaaa ataatagtaa taataaatta aaatctcatt 240
taaaatattt tataaaatat aaacataaaa tatcacaaaa attaaaatct tattcaatga 300
ttntggttct tgctaataca cctccatggt tgctaagtta acccctcttt tttttttatc 360
aaagttgtta tcaccaa 377

<210> 23388
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23388

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caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaag 120
attatgatga tggatggctc aaattctcac aaaggtaaac tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gttgagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aacttttatt ttcaaaacaa ttaccattt cttgaacata tcctataatt caaagaaaaa 300
catgcaaagt cgtacgtgca cacaaaattg accgaaaata ttanactana aatccgacga 360
aactaacaac attaacaaat taacacaact a 391

<213> Glycine max

<223> unsure at all n locations

<400> 23391

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ttcgcgccgt gggtcgtcgt tgtcgtgctc gttgccgccg ttcacgccgt gggtcgtcat 120
tgctgggttg tgtgtgctgc gggtcacagc taggttccag ggtcgcgctt tgtgttgag 180
attggagggc tcgcagctgc gctctgaaag cttggagggg tcgtgctttt cattaagtta 240
ccgggtaggg ttgggtcggg tcaccccatc ttctaccgtg 280

<210> 23392

<211> 421

<212> DNA

<213> Glycine max

<400> 23392

ttgatgatga attttgaact gtgtacgtct tgtgtgtatg tattctgcct ttgtctttgc 60
aacgatccat acaagtgggt gtatgaataa gccgtcgtga agtagacaac gtaggaagca 120
agaccttggt gatgtagaaa gactgtgggt gtcttgtaaa gagtagaatg acatggagtc 180
atctcaagtt tgatttcaac ctgattaaag atcttgtcac ccatctgttg gggcttcctt 240
ttgttttaag gagcttgtcc cctgataatt gtgagaactt gtgttttgaa ttgcccttag 300
ttgaagggtcc tgcctaacca gtgtggggat agtcgcttga cttgttgagt tccttctctg 360
atgattataa ggagtaagtg tgagctacac ctgattgaag gtcttgccat acaattgggt 420
g 421

<210> 23393

<211> 380

<212> DNA

<213> Glycine max

<400> 23393

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ttcgggagcc aagttatccc ttgcatecga gccttcaacc atttatgata tccaccaata 120
acaccgttga tgcttcctct aagctcctta tcctttcttt gcaccacatt ccatgctttt 180
cggactcgtc gaagcatttt tgcattgggg tcattgaagc cacgtgctat gaaaggcatg 240

atactctctt ccgatggtgc cctcttcata tgatagccta gttgtcttat ggcaagtttg 300
 ggattataat taatacaacc cctcgttccc atcaagggga catttaggaa cccttcacat 360
 gaggacaata ctccgaccct 380

<210> 23394
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 23394

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 tacttttaac aagccaagta caagttttga atttacttca ttttaaataa atgacaaaa 120
 cttagcatct tctacttttg caaaccaagc atcaacttta atttcttggc ttgacttgat 180
 actttgacaa tgcccttaac aatatacatt actccaattt gattgaactt aagtgcta 240
 attacatgta atataatttc acttgcacac accgaagaaa actcattgac caaatggcag 300
 cacctgatat tacttctaga atataagggtt tatttgcaaa gttaccattt caatgcatct 360
 tatcctaaag actgctttca acatcacaca cacacacaca caca 404

<210> 23395
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23395

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 ccccttaggc acttctctct ctttcgaatt tgcttaggaa aattgtttcc gtgaagaaaa 120
 tccaagctga ggcgcttccg taacgttttc gtaacgtttc tgcgagtgat ttcggaagg 180
 ttttcgaccg ttcttcgacg ttcttcattc gctcttcacg gttcttcagt cttcaatggg 240
 taagtacctc aaaccaagct tttcgattca ttctatgtac ctgtgggtggc ccacattttg 300
 tttcatgtat ttttattctt gtttcattta ttatttatat ccccttttga cgtgcttaag 360
 ccattttatt taagtcattt ctgcg 385

<210> 23396
 <211> 426

<212> DNA
<213> Glycine max

<400> 23396

aagctctatt caagacaaag aaattaaaga ttttcaagat gtgtttatca agacaatctc 60
tagtgtctta gaaagggtat attaaataag aagggaattc caattgaagt agcaaaaggt 120
ttgggcaaga aatttaaggt aaaaagtttt tttcaacaaa tgtactctct ggtaatcgat 180
taccagagga tgtaattgat taccaatggc caaaactgat ttacaacagc tattaataatt 240
tgaattcaaa atttgactg tgtaatcgat tacacacata tggtaatcga ctaccagcag 300
tttctgaacg ttttaattca aatttttaaag cttgtaatcg attacacaca tattgtaatc 360
gattaccaga gcatattttc agaatatatt ctccacagtc acatcttttt atttgggtgct 420
tgaatg 426

<210> 23397
<211> 377
<212> DNA
<213> Glycine max

<400> 23397

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gtgtttctat agatttttca atatagtcct tgccacattg gactcaaact tgccacattg 120
ggttgcttac gtggactgat gtgtgccaaa tagacatttg actaacggaa taaattagat 180
tttaacagca aggacttatt tgcatatctg atgtaaagat agggactatt ttgaattaaa 240
atttaatgta aggactaata tgcaaactgg ttacaatctc agggactaaa ttgcctattc 300
actcaataga actagctata aagcaaaaga accaccacgc gcgtgtagtt aaggcagata 360
tcaacatttg gcttttgc 377

<210> 23398
<211> 216
<212> DNA
<213> Glycine max

<400> 23398

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tgtgtgagct cgtacgcata acgcaagtgc gaacacgatg agtgacaaat tttgaagcac 120

cagctgtgcc gcgccgcgt cttatgctaa agcgaaggac ccaaacggtg cccgtagtgt 180
 gatgaaatgg cgcgctaatt gaagctgctc aactaa 216

<210> 23399
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23399

atcttgaagg taaaatagat gccttggtta acctggtaac ccaactggcc atgaataaaa 60
 aatctgcacc tgtcgtcaga ctctgtgggt tatgctcctc tgccgaccac cacacagacc 120
 tttgcccttt tgtgcaacaa tctgaaccaa ttgaacagcc tgaagcttat gctgcaaaca 180
 tctacaatag acctcctcaa cctcagcagc aaaatcagcc acaacagaac aattatgacc 240
 tctccagcaa caggtacaat cccaagtggg ggaatcatcc caaccttaga tgggttgaatc 300
 cttcacaaca acagcaacaa caacaacaac cttatttttag aatgttgctg gccagcaga 360
 catacggt 368

<210> 23400
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 23400

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 gttggaaatt ctatgcacaa ctgggtcatgc atgcacctat ggggacgctc atacgttaca 120
 tctttatgga cagctgatgc tagggctcac gatgcattga ctctatgata gatcaaccga 180
 atgtttccaa agtatgacat tttatcaatt agtgcattaa tgcaagtcca tttcgggcga 240
 ccggggaaat tacacaggat tcacccctca ggtggagaca cattttccaa aaattggata 300
 tgatccatga agtgtctaca tagaaaagtt ggaaatcat 339

<210> 23401
 <211> 228
 <212> DNA
 <213> Glycine max

<400> 23401

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gcattgatgg tgcccatggt tcatacttca tactacatgg aaatagtata aactttgtta 120
gtaagtactt gtgttttttc atgagggaaa atacttgtac ttgggggcat gtcactcagt 180
ttggaacttc cttgtgactc agacttatca ccatgggggg gtgggggg 228

<210> 23402
<211> 281
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23402

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attgcctccc tcgccagta ttatgaccaa ccattgaggt gcttaacctt tggggacttc 120
tagatatcac ccatggtgga agaatttgaa gagatcctan gatgccctct atggggagga 180
aaccatacct cttctcagga ttctatccct ttttagctag aatttctaag atagtccaaa 240
tctcgacgta cgaattagac cacagaaagc aagtcaaaaa t 281

<210> 23403
<211> 522
<212> DNA
<213> Glycine max

<400> 23403

cctacacctc tacccecaaa ctaatacata ctaacaagaa agagttaatt aacaatcacc 60
cccgaagaat tgagtgtgct gatgccatgc aaaccaaggc gaatcgaaca cggacagcgg 120
atacttaaac gcacccgttt acttctaattg taaatacgcc caggggaaca gagaccaca 180
cagggcatca acataatatc atggctccgt ctacaaagta tgcggacaat gcacccatga 240
ccatcaccac acagatcttt gacctttggc tgaataaaat gcagcagtag gacaatctga 300
agatcaagca tgtataatcc acagatgacc acctcaacgt tcaaagcaaa gaaaggcagg 360
acagaggaga taacaccgct gcactatcag gaaccatacc tgaggaaaga atgatctcga 420
ccttaaacgc ttgaaaacca cgctgcaacc agaacagaca caacaacctg atccttagaa 480
tggtgctgga ccacgcaaaa atacgtgtct ccaccaagcc cg 522

<210> 23404
 <211> 498
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23404

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 agccagngaa ctatgaanac acaagactgt tattgaatat tatgcacaaa gccgacgcga 120
 tttcttgtca nggctgaaac acaaaatcat tggtcataac atattgaact ctatcactac 180
 acttagtccg atgtcaaagt tgacaggaac tcataacaga ccaccatctt atcaatgact 240
 gatgttaatg aacgacgac caaagctccc ttataccgga acgcttacct agcggacgtg 300
 gcttcagtat ctttatttta gaacgagaca ctagtgatac acctgggtac atttgatgcc 360
 cctgtggtag acaattgtct tgtatcattt aatgagccaa ccaataatct aagaatatac 420
 ctacgagatc aatggtgact aatatgggac gctactcgta cttctatagg agactagtag 480
 aacagacatg ttgcgtn 498

<210> 23405
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23405

agcttgcatt tggaattgcy aaagcccccc tccatcatta ggatttgtgc ctgccatctc 60
 aaacaaacaa atcaaacgta acaagacaat tatagttggt gtttgaatac ctcaccact 120
 caagtgtatc acacaattat ggcttttctc taatgaaaca ctcttgctt ttaccactct 180
 aattcccctt gagttcttat gaaattcaag agattatggc cacaacaaag aacaattcac 240
 caatatgtgt aaggtaaggc tagagagaca aggaaaagg taaccaagaa aaaggctaac 300
 aatgttttta ggcacaaatg aaggaaataa aattcagaat ttaggaattc aagtaacaat 360
 ccttcattca acaaatatat tacct 385

<210> 23406
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 23406

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gttatcaatg tcttgaaaat gcaagttaag gacttgcttt tatagactct tcatgtctgg 120
tcaagaaaac cattagaaga gttataacca ttagaaaaac ttgaaaacca ttggaagagt 180
tacatctttt gatttctatt caaaacttat cactggtaat cgattacca atcattgtaa 240
tcgattacac aaagcatttt tgtgaaagga tgtgacactt cacatttgaa tttgaatttc 300
aacgttcaaa cacactgggt atcgattacc aaatcattgt aatcgattac accattttga 360
aatcaattgg aacgttgcaa attaagttga aagctttntg aaaacaatct ttgctactgg 420
taatca 426

<210> 23407
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23407

agcttatgct cttatttcct tacaaacggt ctcttgcacc agacatttaa ccgaaaaaat 60
gcacccatat acaatcaagg cagcttcggt acctagatta ttacacgta cctccaagg 120
gtatttgta cttacatcac acacatctcc ttggctaaat tcacatacat gcataactca 180
agcattttgg ggcacaaaaa attgcacatg tgcacatctt ggcatttcta atacctatac 240
atacgcaaac ttcatgatga atcttgacta tctacacaat aagggtgctac atttcatgct 300
cctttttcaa gtttttgcta cctaaagccg catgcanatt caagcatatt ttcctttgct 360
gactaaaatt gtattcaaat taaaaggat att 393

<210> 23408
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23408

tgccgccacg gagtnttccg actatgctct tatgtggtgt aacaagcttc aaaaggagag 60

agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaagaa 120
gcggtatgtg ccggctagtt actcaagga cttgaaattc aagctccaaa aactaacca 180
aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240
tattgaagaa gatgaggaag taactatggc tcgatttctt aatggtttga ctaatgatat 300
ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360
ccaagtggag caacaattaa aaaggaaggg agtggctaag aggagtttta ccaactt 417

<210> 23409
<211> 377
<212> DNA
<213> Glycine max

<400> 23409

agctttcttc ttcaaaagct ctgcaatttc agaattcaat ttttgatcca cttgcaacag 60
cctgtctaata gcaagaaaag cagctgtgac ccattttgga acctgttctt tctccctgtt 120
accaagacta gaatcccatt ggtagagtag atctgaggca atttttatga aaccactctt 180
tgaagcagct tctcgcgcaa cagcatcctc attaagaatc aatgcaagaa catgaaatag 240
agcagcaagc atggtattat ttccgttacc agaaatcaat ccacattcct tgatccggtc 300
aacaataaaa gtgagaacat tagatctatt ttgaccatca ttctgagagc atatcatcat 360
gagcaagtca cggacag 377

<210> 23410
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23410

gcagggaatt ggtgatttga aagcacctgg tattgttggg tatggttcaa aatttttcaa 60
aaatagctgg catatagtaa agaaagattt tattgttgca gtgaatgaat ttttcgagaa 120
aggatcttta ttaaaggatt ttaatactac tcttgtgact ctcatctcta aatctattac 180
tgctaagact gtcaaggatt acaggcctat tgcagtttgc tctacttttt ataaagtgat 240
ctaaaatttt ttgactagga ggctagggat agtgatacag gatattgttc atactagcca 300
agcaactttt gtaccgggtc aagtcattca caatcatatt ctcttgcaa ctgagttgat 360

gaaggggtat accagaaagg gtgggacccc tacgtgtatg atgcanatag acctccaaaa 420
agcttatga 429

<210> 23411
<211> 391
<212> DNA
<213> Glycine max

<400> 23411

agtcttgtgg ttatttatgt actgtctagg attcacaaat tgatgtggca agtgacgtga 60
cattaaaata tgcacgtcaa ccctggtaca ggaacatgga taccactcgc ttagcaactg 120
agtcattggg ctaataagtt gttaatatat ttgaacttta atgataatgt cattgtcctc 180
ttatcaaatt gcaggtaccc acttatttctg tagcaatgaa ttatctatag ggttgctacg 240
ctactataat aagctcaaca atcatagacc ttgggctccc atccgacttt gtaaataatt 300
aggctctacc ttcatTTTTc atttattctc aactcactca cataataaag ttccatccaa 360
cataaattgt aataaaaagt aataaaataa a 391

<210> 23412
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23412

accttgaaga cctttgctat atatcnttgc attcactgct gcctttgccca ggcagaattc 60
gccaaaggact aaccgactaa ttgtttttgt gtcgctattc tccctattac agaagaacan 120
aggactaacc acctaaactc ttttgtgtct cccttctccc ttggcacaga attcaaaacg 180
acacaaactg aaagttcttt agattcttcc cattccctta tacaaaagtg ttcacaggac 240
taaccgcctg agaattcttt tgtatcccca ttcacaaagt atcacagggt caaccgcctg 300
agatctttgt cttaacacat tggagggtac atcctttgtg gtacatgcag agggaacatc 360
tacttgtgtt tgactgacaa ca 382

<210> 23413
<211> 389
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23413

agcttgtgca aatcatttca ctctacatt tcattcttag catgcatttt ctttctttac 60
ccactcctca cgtttggttt tttaggga aaacaccataa ctaaacgcgc cgcaagggat 120
ccctatcgca ccagatccaa atctagaacg atgggtgatc aagaggagac gcaggaacag 180
atgaaagccg acatgtcggc tctgaaagaa caaatggcct ccatgatgga ggccatgtta 240
ggatgaagc agctcatgga gaagaacgcg gcctctgccg ccgctgtcag ttcggctgcc 300
gaagcagacc cgactccctt ggcaactacg caccatcttc cctcaaacaat agtaggacgg 360
ngaagggaca cactgnggca cgatggcag 389

<210> 23414

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23414

tgagctctgt gtaatcgatt acactaattt gataatcgat tacttgtgat agtttctgaa 60
caaaatcaaa agatgtaact cttccaatag ttttcaagtt tttcttaaag ttgtaacatt 120
tccaaatggt ttttaagttt ttctaaaggt tataactctt ctaatggttc tcttgaccac 180
acatgaagag tctataaaaag acccactttg atttgcattt aaaattattc attcaacaat 240
tcttttgaca acaacttttc cactttgatt tctaaatctc tttgaacttc ttcttcttcc 300
ttttgccaaa agctttccaa agttttctgg ttttccaaac cttgaaaact gtgttattca 360
tctttttcat tcccttctcc ctttgccaaa aagaattcgc caaggactaa ccacctgaat 420
tctttntgtg tctctct 437

<210> 23415

<211> 387

<212> DNA

<213> Glycine max

<400> 23415

tcaagcttgc tgagattcat tctgataaag cagaatgtac tcaagcatag tacataagaa 60

agcataatat aacaacctag gaaacacaga ttcagtatgg gatacaaata tgatatgaca 120
 tgacaagaac aagacaatat ggcacatttt aaaagttata cagatatgat atgtatctaa 180
 attctaacat ggctacatga catgaccact gattccaagt gtatgtactt cttagttaaa 240
 aactatgaaa gggaaggtgt ttatcacaga tatgtggcac taagagatat acaaacgtaa 300
 tgagctatca atccaaatga gtataacggg catataattt ggctctaccc caaaccaaag 360
 ctggatagcc gagtatttta atgaata 387

<210> 23416
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23416

caccgctaaa attgatacct tgtgataccn ttgcataccg cgacctatga atactcaagc 60
 tgctggcacc aaggatccta gattgttaca atattcgaag ngggaaaggc agtgtcctga 120
 gaacaatata acatcaagtg agagcatttg gaatgatctg ggaagatgcg tccgttggcg 180
 ctataacttaa acatagccgt cgaggtaaag cggcttcacg atcctgccat cgagctattc 240
 ttctttcagc acccctctc ttggacttgc acccgctgat gatgctgctg tgatctactc 300
 cgccacgcac acccgaacct tgttgaatgc actttcgtca tcaaagacat gtgatgctta 360
 cgttgcctac atctgcacat gacaaccatt gtacctcaag aacgcatcca tgtggccccc 420
 ataacttggg aatcatggcc aattatggag tgatgcgaga actgacactt gagatctg 478

<210> 23417
 <211> 217
 <212> DNA
 <213> Glycine max
 <400> 23417

gagcaatgca tgattagccg tgagctagat tcatgccact gggaccaatg gaaactggta 60
 tgccctatct gctccgaatg gctgctcaaa ggacatgaat gttgggctcc tcaggctttc 120
 acaaggcacc gatgagggtg aagagtatca ttatgaatag gatgagctct tgactctctc 180
 gcatcttgca catgatgaag acgtttcgat ggggatg 217

<210> 23418
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 23418

tctagttttg aacccttcaa cagcagaaga tcttcttact tgtccttggt cgtcaaggca 60
 atcacaaact ttggcggcca caccggcgga gccacgtcac cactgccgga cggcgagcca 120
 ccacccttct tgctttcgtg cgcggtgtct gatgagacca cagacttgat gttattattg 180
 tcattaaggt ggttggtatg ggtccccctt ttatagtgcg caccctgtc cggtgaggca 240
 attcccctaa cactcccgtt gctttggcct cctctcatac cacttgaagt ctccgaattc 300
 ctaagtaaga tgaatgatat aatatagac aacgaaagct taaccacat atgactatta 360
 tcccatatg 369

<210> 23419
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23419

ggtgtttata ggagccaaag nnaaagtagt gataggtagt aaactaaaaa taggcaaat 60
 gttgtcagaa ctaaaatgta aaaatatgta gattgataag aactaaaaat aaattgtacg 120
 aatcaaatgg agaaaaagca tataaaagca cgaacatatt taagtctaatt gttaagggaat 180
 gatgatccaa ggtgcattaa gagcggaatg cacacgtagc ggacatggct ttgtaatttt 240
 tttttaggaa cgagcgcgag ttatacacat tggtacattt gatgtcccta tggtagaata 300
 ttgtgttgta tcatttaatg agccaaccaa taatcgaaga acataacaac aggataaatg 360
 gagaagatga tgggacaata ctctacgtg tttaaagact cacttgattt gatatgttga 420
 ct 422

<210> 23420
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23420

tcaagtttgt ggaacatcga tagggtgtgg gtatagggg acacgttgaa ttgcacccgc 60
cagtcatggg aacaaccgtc gctacccatc atgcggcgga ggtgcttgct agtgcgagg 120
gcctgtgcc a tgccttgccg cattgactga atgttatggc cgggtatggg ggtgtacgcc 180
actgtgtctt ggttcccctg tgactttcca tgccgcatta atattcttct ctttgaagc 240
acaccaacca tatcttctct tctctttaca ttcattttct ttcacctca caattcta 300
cttttttata cacacataaa attntgacaa taaaagaata tttatacact ttcctttgcg 360
catgatgggt gattcctata t 381

<210> 23421
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23421

tcgctggcac atcatcttac atgtgtatgg atgtaatttc tctgcgctaa gcaatggtaa 60
atatatctta ggtaacctac atgctgaagc tactgatgcy ttattogett gngctattcc 120
ttgaactaaa gatacaatag agttgagcca tctatcattc tcctgcacca atatatactt 180
actactgcy atgaacatga agtcctaggc tgtctacatt atgtatgtga tattgggtccc 240
tacttaaata acgtgggtga accattacat gacatgctaa agaaaactcc gactccttgt 300
accgacattc ataccaagc catgagatat atcatttgcy accccaactc atactgtgta 360
cgtgtcttcc cattccacaa gcattcatga ttgttgatac ggatgcatcg gacatgagtt 420
atggcgg 427

<210> 23422
<211> 380
<212> DNA
<213> Glycine max
<400> 23422

agcttatgcy catatttccc tacgaatggt cacttgaca agacatccta ttaactaaga 60
aaaatgcacc catatacaat caaggtagct tcattaccta gattatttac atgtacttcc 120
aagggtgtatt tggtatttac atcacacag cctccttggc taaatttaca tacatgcata 180

ctcaaagcat ttctgggtac caaaaattgc acacgcgctc atcttggtat ttctaatacc 240
 tatacatata cgaacttcat gatgaatctt gactacctac gcaataaggt gctacctttc 300
 atgctttttt tttcaagttt ttgctaccta aagccacatg caaattcaag catattctcc 360
 tttgctgact aaaatcgat 380

<210> 23423
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23423

agcctgatga tgatgaatca agttgattct tgnatTTTTg atgatgacaa aaaccgaaga 60
 gtgatttcaa gattcagtc acaagttcaa gatcaagata aatttcaagt ttcattgagaa 120
 gaaatcaaaa agattaaaga atcaagagaa gtttgatttc aagattcaag agaagaaatc 180
 aataagactt cacaagggaa gtattgaaaa gatttttcaa aaaacaaaca tagcacattt 240
 ttgtttttca aaagagtttt tctcaaaatt ttctaagtga ccaaagtttt tactctctgg 300
 taattgatta ccagtttctt ataatcgatt accagtggca aagtttgatt tcaaaagctt 360
 ttaattgaat ttgcaatgtt ccaattgatt tcaaaatggt gtaatcgatt acaagatatt 420
 ggtaat 426

<210> 23424
 <211> 192
 <212> DNA
 <213> Glycine max
 <400> 23424

cctgcacgca ttctgagttta tactgatgggT ggacaccag gattgcagac tcatacaaac 60
 attatcttca acgacggcct aattacatat tataagacga atgcgaactc tcagaaaaac 120
 ggacgtggtc ttgtgcatac ctcatataat cacaaatgcg atacctggat gcataagtta 180
 aactttatac ga 192

<210> 23425
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 23425

ttttatgcat ggtttcctag attctgaacg acgcttgta tgcaattata ttcttatata 60
cgcgacctaa ccacgtatgc cataatgctc ctgagttcgt ataatggctg tacagcttag 120
accaaggact tccgcattag gcgatgaccc gtaacaggct acgctatcaa agtaactatt 180
gattatcatt agccaagaca gtttcagcca tatctgactt taaagacaac ctaatcacat 240
tatttccgaa tgagcataga tagtccaata tggccgagtg agaaattgaa accatacgcc 300
ggcggaacga agatacgaca aaaggctctgt cttattagca aaaagcctgt catactattg 360
tctaaatgcc tatactgtca cgattaccac tc 392

<210> 23426

<211> 368

<212> DNA

<213> Glycine max

<400> 23426

taagcttgaa gctcaaggaa aaacttgaag aagttttggc ttttacatgt ctaactccct 60
tgagtggcat ttgtattggc tggtatattg gttgttgctt cttagtacat ctgatatatg 120
tattgcattc tgcattcatca tgctttgtgt gaagaaaaat ttctaagtta gaaaaattta 180
ttcaaaggca aaaactcttt gttttaatcc attatagagt tgctgtaaac gattacaaca 240
agttatctta agcatgtaga gtgtagtctc gtatcagctt aattgattac tgatatcttg 300
taatcgatta cactgttggt tgagacaatc actacattat tcagaagtct atgctttaat 360
taattacc 368

<210> 23427

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23427

gttttggtcc aatttgatat tccaagcat ctagggttac aaaaacttcc tagtattcat 60
caaccaatcc attgagagtg ttaatgagaa ggtctacatc atcaagtggg gagttgatca 120
tggctagttc atcacataat gaattaatc catgtatact tttagtcatg gagcgagagc 180

atttggtgaa ctacgtgaag cgctctctga ggtacatgat tctaaccctt gcttttttgg 240
 catacatttt gtaacaaccc caaatgctat ttgatgcaat cctaccctcc aaggatattg 300
 gatagaagac tccaagagga ttgtgctaca gcggnataaag aatgtcctag ggttctcatg 360
 aaccttangg tagatttctg agcccatgga cc 392

<210> 23428
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23428

agcttggtga tattgccatg tttgaatgag ttaaatac ccatctctgtt ttaggggttt 60
 tgtgatgatg ttggtgatgt ttacatgctg aaattgctga tggaaatctg ttagagacga 120
 agggtagaac taacctaaagg ttagaaaagtg agaattgtgat gttatgagtg gaaaaagagt 180
 gagactttga gagttggaag gctaagtctg aattctgtgg taaatggggg gttaaagtga 240
 gtttaatacta gcttgaaatg tcgtttaaga catgtgagaa aggttaggct gagctagaga 300
 gaaaaacaaa tgaccaaagt gaaccaagag ccatttctag ggcaaaattg ngtgttgaag 360
 agtcanatct tgatttggtg gaattt 386

<210> 23429
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23429

atacaatact taagcttgtg tcgcactgtc tactgctgaa gctaaatata tagctgcagg 60
 aagttgttgt gctcaaagtc tctggatgaa gcaacaactt gaagactttg gagtaaacct 120
 tgatcacatt cctctaaaat gtgacaacac aagtgcgatc aacctaaaaa aaaaccttgt 180
 catgcattct aggactaaac acatagagat aaggcattat tttcttagaa atcatgtgtt 240
 aaaaggatgat tgttgatttg agttcattga tagtgagcat caactagcag atattttcac 300
 taaacctctt gctagagata ggttcttttt cattagaaat gaactaggca tattagatgc 360
 atctagcata gaatgatatt ttgtttgcac agtgtgtgtg attgacattg ctactcatat 420

aattttctttn tgtttagttt gtgtcacaag 450

<210> 23430
<211> 389
<212> DNA
<213> Glycine max

<400> 23430

agcttttattt tcatatccct cttgtaagac tagacctaga ctaatcaaca ttactgtgac 60
aacacaatta aaaccaaacc taaatccgca gacccactc tgaagattaa gtatcgatac 120
tgctacaatc aagttctaaa gcaacagtaa cattcccaat gctaaagaca cctaactatg 180
cacacaaatg gatgatcaga ccaaaagcat acaaacatta agcattgaag gaacattgaa 240
tactaaaaac atagatcaat tagatatcag ggatctacat cagtgcgtca tttgaaaacc 300
ccaactagcg cgttgtgccg gccataacaa agaaacccaa acattaataa tcttacaaaa 360
cctaggggtgc aacgcacaag ctacacctc 389

<210> 23431
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23431

agtaatgacc cattaaccta atttaaatac ttttgccatt aacctaggga attaaaaaaaa 60
acttaatggc tgagtgtaac tgaaattgtg gcaaccaaag gtcaccccca acagccaaca 120
agtcagccac catttggctc cccaaaaggc tgatgcctaa gttgccaatt gggcccttat 180
tacaacttga actaaaccta ctaaagccct tttagttgat taacccaaaa catatttttg 240
gtcagccaac tttataagga ttggaccatt atttagacaa actaaacact ctaaaattga 300
gacaaagtgc tgccatttag tcctcctcca tttgggcat gatacaactc acaaccttgg 360
acttttctcc ttgaaacttg ngcttgtatt caaatagtat ggacaacact tg 412

<210> 23432
<211> 366
<212> DNA
<213> Glycine max

<400> 23432

tgaacgagtg cttcaccaaa tgctcatttg aatagcagta tgtgaataga tttttttccc 60
 caaccttgtc tatatgttac atgggtgactg atgacatatt caaattatac agctatgact 120
 tggacagtac caaagaagaa agagatgcta tatgaactca gaataggtaa acatatatat 180
 aggatccaca aattcatgct cgatccatca tgtgtctcca gcaattacaa cttaattcgt 240
 gtgtacttcc ctctacagtt tgacgagtga gcataatgat gctctgatgc aaaagcctta 300
 acagcataga ggagtatgag aaactccgca cacaatgccg gcaactacta aagcacaaca 360
 atggga 366

<210> 23433
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23433
 agctaattgct taactatgta tgacaaaact gcattactgt tgttcaagac atacaagtga 60
 gcttgaaca aatcttctac acttggagtg atcacctgca gtcctcttga acccttacca 120
 cccactttgt cataatgccg agactcatga agcccaacag gtttagcctt ctctaagtat 180
 tctgaacaaa attcaatggc ttcttctgca atgtacctct caacaataga tgcttctaga 240
 cgatatagat tctttgtata cctttttaag atcttcatgt atcgctcaac tgggtacatc 300
 caccgttgat aaacaggacc acaacatttg atttctctga ccagatgcac aatcaagtga 360
 atcatgatgt caacgaaagc agggggg 386

<210> 23434
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23434

taaatgtaaa aaaatattga gggtttccct acattaataa ttatggaaaa ccaacaggaa 60
 cttgagattt atgggtctca catacactct ataaagaata atagataatt atcgtgtacc 120
 ttttctccaa taggaatctt gctctgggtg cactctgaag aattgagaga atatagcgat 180
 ttccactttc ctcttggtccc tttcttttct tgtctctctt acgntcgtga tggctatgtg 240

gtgagaaaag agcacttttt ggtcaagaac gggaccttat ctcacattag cgggtattaa 300
 gcccttttta taaccactac tctcatcaag tagcagttaa tctacaaact tctcctatta 360
 agtccaatta caa 373

<210> 23435
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23435

agcttttgaa agngacgatt atcaccatct cgctaagcca aactgctggc ttaacgagcg 60
 tacgctaagc gcaacactac tgagctaagt gcgaggaaga ctctggaaga agatgagcaa 120
 tacagggtcg ctaagcacac cgctgaatca actaagcgca cgccttaaag acatctgcta 180
 agcgagaaaag gcgcgctaag cacaaaaaac actaatgtgc gctaagcggc ccataagtgc 240
 gcatagcgca cgagcactaa caaggccacc tattcaagcc tgaaaacaga actttcgaag 300
 agagtctgga ctaagattca gagcttagca tgtctaaggg ttccagagag ag 352

<210> 23436
 <211> 480
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23436

attgaaacct ttgtttgaga ccntcagcaa nntcagcgac ttgatacct ttgtaaaacc 60
 cccganaang atcctggaac agggctctaa agtagtcta gcctgcacct aagagttact 120
 aagaggcca tgacattaag aagatgcttc ggtggccgaa tctgaagaaa atacgcaatg 180
 agttcgctt gttgcctagg gatcaciaaag ctaagataga gcaccagaag cctcccggga 240
 agttgcaacc ttacagata cttgtgtgg aagtgggata acatctccat ggattttcga 300
 ggtgggatta cctacgaccc ccaaagggtt aaattccatt tgggggtattg tagacagggt 360
 gacgaaatct actcattca tcccgaataa catcagatat cccttaaaga gggtgactag 420
 cttgtatgcc actgagatag ctaaactacc tgggtctact tctatcatag atattgaaag 480

<210> 23437

<211> 534
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23437

acccgcaaca cacaccacaa accgccatac cgcacagcac ggagaaaaat aanacanaaa 60
 cannnacaag gaggaaatgg agcgatgaan acccacanca anggcgaana cgcacccgga 120
 cccgaggagc caccacaggc acgccgccgc atatcagctc aacaaaacna aanagccgg 180
 caccagagca gctgccaacg gcaccccaac ccacacggga caaggccac aacaggaaac 240
 gaagaaaacc ccacggagca ccgcacacac caaacgggca acaggagcaa aacacgagaa 300
 cccgaacaag acgagcacga cacagaccgc ctgccaacga acaaagggcg ccacacgacg 360
 cgaaacaaca gcacacaaaa cccgcagaca agaccgacac ggaagacgca ccacaaggca 420
 cggccaccaa cacccaaaca gcgacagacc ccaacgcacc gcacgaccac cacacgaaac 480
 ctaccggagc acaaccana gagagacca cgaacgaacc cccacacgcg cgcn 534

<210> 23438
 <211> 272
 <212> DNA
 <213> Glycine max

<400> 23438

attgaacaac ctttattcac acctttcaaa gttagtgaga atgctaaaag aaaaatttag 60
 gaacttagaa taactaactc cttaattgaa tgcgtaggtg acaaccatag tgaattacta 120
 aacaagattg gttgttgact taaagtcatt ccagataccc cccaagcctc ggaaaatact 180
 tcctaaatgg taactagaag tacctcctaa ttaatcaata tcattaatga agatagggac 240
 cagaactcag ataacacaac tgagatagga tc 272

<210> 23439
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 23439

ggcgaaacga cccggacccg cgcacaccta caacgaccgc acgcattcag ctacgagagg 60
 aggctcacia ccacacgcgg ggcacgacga ggtacgactc tgcccggacc gcaacaagga 120

gaaaggcgcg gaacatgcgc accaccacga ccactctcac acacaacggg acgacgcagc 180
 tgcgtaccac acatcgccca agcgaccaca actcggacct caccaccacca aagtgtcagc 240
 cggccgacac cataccgaca cacgtgagac gacaagcggc tcagcagaac actgacgcta 300
 cataccaacc tgcagggata gtgcgaacca gacacccggc ggacccgga 349

<210> 23440
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23440

atgcaaacia tagaatccac atgttggaga attttcttga aaacctcggg ggtgttctta 60
 aagcgcgatt tgcagaagat ccacaaatta atcaagtctt agaaactata gatcaggagg 120
 tatgaattta taattcaact tattcaacga ttttaactatg atatgatact ttacaaagaa 180
 aaaacattct ttttaatttag gtacctacaa atgggttctac tagtaaaaaat catcaaacta 240
 caaacaatct caactagagg tgagttgaaa ttttaataatt aatatgttga caataccatt 300
 tttgttagca tatggtataa cttgtagtgt atccgtacta tctatgtatg tagtaagtcg 360
 acatttaata attaatatgt tgaaatTTTT gctatttgag gaacatgatt tagatg 416

<210> 23441
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23441

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 ttgatagtat gatgactata gagaatgaat gataatcaac ttattggtct gctgtgatga 120
 tatgcaacct actgcataca ttggtgtggc aaccgcgcaa tgtatagggg accatagtga 180
 aggcaccatg ggtggtgatt cagagtttag ctgctgaaat acctaattat aggctaaagc 240
 aagatgcaat gtattgaatt attatttgag agtctgccaa tgtaagggga aatagagtga 300
 agccactaca gacatgtttc ttaagggagt agcactgttg tgaatcttac attgag 356

<210> 23442

<211> 349
 <212> DNA
 <213> Glycine max

<400> 23442

catctactat gaagtgagcg atgacgttct tctatgggcc attatccact tctgcatgaa 60
 cataggccta gagaagcaaa cgaatacaga gttgaatata aaccgaggcc tacttgctgc 120
 ccttggggcg acatacttat gtttccttga cacttataca actatatgtg tatagtatga 180
 ccttttgagg gtgacataag atgctgtcag accactcttt tgatcgagga attctggtaa 240
 gaagacttct ttatcctgta ggcgactagt aatccctaac taatgcgtga tgggtctatg 300
 tgcacagccg catgtctatg agatggcatg cacatattca ccgtgggac 349

<210> 23443
 <211> 265
 <212> DNA
 <213> Glycine max

<400> 23443

ttgcatgcaa gcttgtgaca ctttcttcag gactagatcc cctcgtctga acttgtgcgg 60
 gcgcaccttg gcgaaaacat tctttactcg gcatagatac aatcgttcat ggctcatggc 120
 agccaacctc ttaccttcta taagaatcaa cttatcacag cgagattgtg atatgaatcc 180
 tcatggcaca agggctgact caagatcgtc tacgattaaa acttgatgga gaacgcggac 240
 attgatcaac gaaaggacgg aaaat 265

<210> 23444
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23444

tattatagtt ctttatttat tgaggatcat aaaaagttaa agtcatgtat gagagacata 60
 acaacttcct tcttgaacaa aagttgagag aggaaatgtt gataaaactc ttttcattaa 120
 aaagtcctct cataacattt tacttgtgca agtttatatg gatgacatca tttttggttc 180
 cactaacaaa tctctttgtg aagattttgt gcacaagatg tagggggagt ttgaaatgtt 240
 aatgatgtgg gagttaaat actttcttgg tctccaagtg aagctagtgg accatggaac 300

atttctctat gaagtaaaat actacaagga acttttcana cagtttgaga tggacnatag 360
caaggaggct acaactcata tagctactaa ttgctacct 399

<210> 23445
<211> 314
<212> DNA
<213> Glycine max

<400> 23445

tttgatttct agcttatcat ccagcccctt ctaggacgcg cccactcttt ctgatgggtt 60
cctgacactg ttgaagtctc ccagctagca ccataggcca cctaacttag gcttttcagc 120
tgctctgacc gagccccaga gagctctctt gttatgaaca tcacatggag catatatgtc 180
tactatgtga accttctgag cctagtgagt caatactcct tccacaataa taacccccct 240
gccagtaacc ttattttcca ctttgaaagt gttcttactc cataagcaca gcagtccacc 300
tgatgatttg atgc 314

<210> 23446
<211> 494
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23446

agagcgcgaa catttgaaac ccttgtggaa acccctggan anccanattt tgaaacctta 60
gnaanaccng ngacactann agaaacncca gcttcttcaa nnagccttca gccggcaccc 120
gacagcgggtg ttacgaaccn ccacactcta atcgcacata accgaggaca atactcacia 180
acccccgaca aaccgaaaat gtgtgaagcc cagggagctc aaacacccccg agtttggtcc 240
taataaaccg aaatctggca gaagagaggg gctttgagag aagaactgcc caccgaccct 300
gagctggtat gtgaccaca gagattggtg cttagaacat tttcccttac aaagaagaga 360
ttgatctcca aatcgctgaa tttccctat gaacaatagg tttatgtgct cgtgccataa 420
cgctttgatt atcacagaga atgagaggct tgggaagagg aacaccaagt tcttgaaaga 480
acgcttgaag cccg 494

<210> 23447

<211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23447

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agcttgagga ttgtgtacct tccagattgg atgggttatcg ttttcaatga cttagtctct 60
acgcatttcg tccttggggg ttgtgtaccc tttgggttgg atcattccca atccatagct 120
tagcccttcc gattcgtgcc ttgagtcgaa ccttgccctca tcatatctat gtctaatacta 180
attatctcta gaggcctaaa cgcaccataa aatcgtcata gacacaatta atcacacctc 240
gagaatcttg agatatggga gaatattttg aaatgtcata atgcattgac tcatgaatat 300
aagagaggat acacatagta aatgatgata aatagtcatc tctttgacct aagaagacaa 360
gtngagcaat acaatttgct tgagtactct g 391
```

<210> 23448
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23448

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ataaaatagg ggatggaata gcaatgtccg aaatgtcaaa actatatcaa ctaattagaa 60
ccagatctgt gtatgttact tttgggctgt aaagactaat taaggatata gggatgttgc 120
ttcctgcact tccaagttg cttcctgtac tccttcagga atattttttt gaccttctgg 180
gttggtcatt ccataagaca aaaagagaat gcattcaaga aagtaattat acatttcgga 240
ttgatcgttc tgaaaagtga aaagggagtg caggaaacaa ctaggaaatg caggaagcaa 300
agtcctaatt aatggagcac tagaagaaga agttcggcct aagaaaaaaaa atgggtgatg 360
gacccgtaac catgtgctca ntttggttct acaacctctg atcctttctt ttacattt 418
```

<210> 23449
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23449

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agcttatgtc actacaacca aatcttgctt tcaagttcac caaagctaac accctcgata 60
```

atcgtgtgaa ggttgtgcat cccatataca atggcttctt agaatcaatt tctaattttt 120
cataataagg tgcattgtct tgtctaaaac cctcttgccc aagatcgcgt agtatgtctt 180
ctgtacggtc tgcacttgg acatgaactg cctcagtcgg agggactgtt gttgtctgtg 240
gtaactcacc atgccatata cattntgtat aagtaggact gatactgtca catataagat 300
gtgctctaata gtcattcaat gactgtagtc tcatgttcag acatttaaca catggacaca 360
gatactctcc acccatttct cctgca 386

<210> 23450
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23450

tgagacttca aagaaggaca acaagnntgt ttttaattatt gctgaggctn tttcttggtta 60
tggtaaaaatc taaatgggta ggacctttca taataaaaag ggtgaagcct tatggagaaa 120
tgagagattga agatccttcc aatcaaagaa gttggatagt aaatggtcaa aggctgaaac 180
catatcttgg tggagaattt gcttggggaa tccttgatct tccttaactg tcaacctagt 240
gatgttaaat aagtgccttat gggaggcaac ctaatcttct ctcttttctc ctttattttt 300
ttgttagtta attgcttggg ggaagaagg aagtataaga cttgtgataa ctgtagcagg 360
gggttaaaaat tgctatggcg aattagttgc aggtcttttg caataccatt cattgcag 418

<210> 23451
<211> 387
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23451

agcttctata taagctgaac cattttatca ataaacacaa gttgagtttt attcagaaaa 60
ttagagttta tctcttttat cttagtgaga gtgattctcc taaattcttg agtgattcaa 120
gaacaccctg gctgtatcaa aggacattca caaccttctg gtgttgccct cgctggaaag 180
agtgattctt tccttctttt catcttcacc cttgttcttt caaaccacaa ttccagaaaa 240
ttcacctctg ccagaaatta tctcgtggcc acaactccca ttttacgcac tcaaattaag 300

tgattcttga gcctaaattg actttcaaaa ggagagctnt cacctcgttt tggaatcacc 360
 tgatttggag ccctgtagct tcagtta 387

<210> 23452
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23452

agagagatca aatttgatac gctagtagat accttacgat atacaatact cattgcttta 60
 catgcagatn tntagtaatt gaacccact aacctagata ttataaataa ctttaattgc 120
 cattaacnct tagggtaatt ataaaagana aacttatatg ngctcgtagt gtacactctg 180
 aaatntggtg gcanactcat aaatgtcaac cccctcaaca atgccaacaa angtcaggcc 240
 caccaatttt ggctcttccc aataagggtc tgatgcacta gtgtttgcc aattggcgcc 300
 ctttatttac aaccttgaaa ctaaaacctc aactaaaagc cctttttagt tagattaaac 360
 ccaaaacaaa tatttttggg caagccaact ttacaagtga tttgtgccat tatttagaca 420
 aaactaaaca ctctaaaatt gagacaaagt ggtgtcatta agtcctctca tttgggccat 480
 gatacaactc acaaccttgg acttttctcc ttgaaacttg gcttgtattc aaatattatg 540
 gacagcactt 550

<210> 23453
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 23453

agtttctatt tgttcctgta gaaaactgat ctgatatgtg aatccaatag aagctcacgg 60
 ctgctctgct ccgcgactcc aatatagcat gctattgact actatgcaca tatacttaac 120
 caaaacaaga ttgtaaatat catcccctca cgatgcttac gagaaacttg gtgtgtattt 180
 cataaagact caaactttat aacaacatca caaaccggc agacagggtg atcaaattca 240
 ttatacctgt atgtataggc acataaaggc agaaacagtc gaaataataa cagataaac 300
 attatgccaa taagaaggga ataattttac gttaaacaca catcattcat ctagataaca 360

gataat

366

<210> 23454
<211> 410
<212> DNA
<213> Glycine max

<400> 23454

agatccataa cttcaagcac tgacgttgtg caaggtttgt ggaatgcgcc ctggcaactt 60
gcggcgagac aagttgagaa tctgaatcga acttgcatg caaattgagg aagagaagcc 120
accagtgatc gagttaaacc taagatcaag gtaagcgagt tgttggttcc aggagaattg 180
gtccaatgat tgcgtcaata ggttatgaga gaggtccaat tcagataacc atgagctcgc 240
ttcatgcaac caattgggca ctctaccttt aagtttggtg ttggacaaat ggagtgattt 300
caaaaatggg atttttcctg ataattttgg aaattcagtt aaatccatag aagataagtc 360
caatctccat aataggcggg agagattata ctcgacattg gatttgaatt 410

<210> 23455
<211> 321
<212> DNA
<213> Glycine max

<400> 23455

gacccccaa gaggcctcgt cagaaagcct cggcgagggg attcatgaga caactaaaac 60
ataccactgg attgccatgg caattatgtg gtgcgtctct gcatgtccta atgcgcttgc 120
tgtctaggga taaatgcaag cccctatgac tatatactgg accagggcat tgggagctga 180
cccgtgcga aacttggttg ccaccctcag actcgccctg cttatagtat aacacaccac 240
atatgatgac gagccatata gctcgagacg agcccaaacg atgacatata tgcctgcgg 300
gcacactaga gactgagcat g 321

<210> 23456
<211> 357
<212> DNA
<213> Glycine max

<400> 23456

caaccacca tcttgctgta atagaacacc tgtcatgcgt ccattatcat tggtatcatc 60

tccctttcca tcattggggg cgctacttga actgccagat cccttcacct gtgggcgtat 120
tctatgctca tgtctctaaa caaatgaatg tctcaccaac caaactaaca taaaatggaa 180
aattccgaat ctctttttta ctctaaaaat tataatggac gtctactgca ttaagtacaa 240
gggaaaaatc acattggatt ccagagaaag ccttaacagg aacacaattc taacttatga 300
gattcaatac acataacggg caaaagctct acaactataa tacattaaca tctcata 357

<210> 23457
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23457

gaaacacnng ggctgccaga tccctccacc tttgggcgta ttctttgaaa gacctgtgcc 60
cacattctgc acatgttctg atattgcac cttatccgaag ccattatact gacactgcct 120
aacgaaggca accattaggt ccttccaaga atggactcgg gaagggtcca agttagtgt 180
ccacgtaata gctaccacag taagactctc ttggaaggaa tgtatcagca attcctcatc 240
ttttgcgtat gcccccatct tccgataata catctttaga tggttcttgg gcaagtagtc 300
cccttgtagt tgtcaaagtc cagcacct 328

<210> 23458
<211> 377
<212> DNA
<213> Glycine max

<400> 23458

ttcccatgcg acatatggac ataaaatagc acttagcatt tggacaaggg agccgctgct 60
ctcatcctct acaaagctat cctcaccctt ttcattttgg aaaacgagaa gaagataacg 120
cgatctggaa catcccatct cctcataga ttaagtcaaa aaaagccgat acagggacat 180
aaacaagcct tacgataagg gctccgcaat taaataaaca aagacaacta agtgtattaa 240
aataatagac tgataaaaaa aatacagacg atatttcac tattcatctg atagagaata 300
aaccagagct cgcttcataa aaaataaaaa ccaaccaata atatgcgcga gcaccctaag 360
ataaaaaacac gaaagcg 377

<210> 23459
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23459

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acactatgaa actaagcttg taaagcccct ttaatgcac ttttcngcat tttttgaggt 60
gttccccaca tttgttgctc aatggtttac aattccgtgc acgtctatca aaacttgttt 120
tgtagcactt gcatataaat attgaagagc aatggttatat cttttcacta ttctttctcaa 180
tgttttatga aaatgatggt aaatgacata gtaaataatg tcatgttttg acattttttaa 240
aagctttcaa tactttttgt tatcgtctaa taagtaaaaa agatttagaa ttattttttaa 300
aaaaatctct gtccaatgat aaagagtata aaggtaaata aaataagcat gtaattgcta 360
ataaaaagtt aataataaag aaatgcgant aaaataagtt tatacacaat anaattttaa 420
attattataa ttt 433
```

<210> 23460
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 23460

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agcttctaga ttttcgatat gaaaacatgt agtttcatgt tctcttcaat taacgcataa 60
tacattttac tacttttctag tgttgcatac caagattact caaatatcac cttaggactc 120
ccacaaaaat ttagttagg acaataaaaa aataaactta agcatacatg ataaattgta 180
atataactat ttgcaacaa taagtcgtat gatgatagta ggatgtcatc gacatataat 240
acaaaaataa taaatttact ctcatgaac ttttagtaca cacaatcatc aaccaaattt 300
atctcaacac cataagagat aatctagatg aatttttaat accatagacg agagacttgt 360
ttaaagcata aatgaattt 379
```

<210> 23461
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 23461

gctcgcatca tgttgctgga caatcatgta tgtcaagtct atgtaaccct tttgtttttg 60
 ttttggctat gctggtttgc agtaagaagg cgatcaaacg agtccggtgc cggctcaggc 120
 tactcaagaa caagaggcag gcaatagcaa ggcaactgag aaatgacttg gttgagctaa 180
 tacaaagtgg ccatgaagaa actgcattta accaggtttg ttagttaatg ctacatactc 240
 atttgtaac cactgtttgc ataagtatat tccttcatgc tctgtttttg cttcttttct 300
 acttttcctt tccattaagt atgagtatag ggagatggct ttacataaac aaagttgccg 360
 ccactacata ctgcccccat tttatcgcat agactgccca ctaaaccctt tctatttcta 420
 tacg 424

<210> 23462
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 23462

agcttaattt gttaggctcg tatcagttta atcaattatg gtagtacttt aattgataac 60
 actgttgttt gagataatga ctgatttttt cactgagtatc tattttaatc aattaccaca 120
 tgtattaatt aattacttct ctattattta agttgttctc aggtgaacat gaagacttta 180
 atcgattaat taggtcatct aatcgattca agagttaagt ctcgatatcag tttaatcgat 240
 tatggaagta atttaattga ttactgatgt cccaataatt attcctatct ctttaaccctt 300
 tttgcaccat ttttaagtact gattagtctt aactgtcaaa ttaattaggc agttttatta 360
 tttgggccca ttc 373

<210> 23463
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23463

taagattcta gagatcaact ttatcctata tcttgatttt cttggattct tgtattcttg 60
 tcttgaataa aacttagaag cacttgatcc tttggcatcg tccaaacatc aaaacatctt 120
 gcttctacat aggagtcatt cgacttaatc catcaactaa aaatccttca actatttctc 180
 gtccttggga aattcttttt gcaagaatca actacttctt tcattcttcc tcactacgag 240

gttgtgaaaa caagacaatg atgggttacct catagcccta cactggggta atgaaaggca 300
ccatgcatga acctcaagcg aacctagggg cagattagaa gttctcaccc aatacgttcc 360
ctactacaag gtcatgacga agaacaacga ttggtacctc anagccttac actgg 415

<210> 23464
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23464

cgggtgcantt tgatttgtga ttgattgcct cgaatactct nacggcattt ggagctcggc 60
actccgtgat cctgtagaca cgcactgttg tatgcaactt tgatggcgga actaagaact 120
ggaatgtatg acttattcaa taaggaggca atgtgaatgc ttgtatacat gagatgaagg 180
acgtcagcta tgaattaacg ttgcatgcct cagaggactt caattgcttc ctaaataatgc 240
tcggatagct tccacgacca aagccgtgtc tgccgattcc ctaactaccg ccacttgggt 300
taaaccatag tgcttacatc acgtgccgcg ctctggaaaag agcttaccag gaagtgggat 360
gtgtcaccac agtagcaggt tgagaacata tgtgcaaaac gttcgaatca gagtcttccc 420
atgaagtaac taccatatgc ctgggtgtcg aacagatgtg gatcctg 467

<210> 23465
<211> 500
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23465

cggagatgtg caanttgann cctttgttga nnacgtgaga naataanant ttgatnacgt 60
tcgnatannn cngngacact ataganaact caagcttttt atgatgattc atgttgattc 120
aagtagtgtg gttgagaaca aaganganga caaaaaggcc aagagaacgg acncaagaag 180
gaggcaaccc gccgaaagag ccaagagaag cccgacnncg agacgcaaga gaagaagaac 240
ccaagaacca agagaagaaa gcaagaagac cccacacggg aagcagagaa aagacnngcc 300
acaaaacaaa cagagcaciaa ggggggggacc caaaagagcc cnnncnaaaa cangcgaagc 360
caccaaaggg accactctct ggtaatcaat taccagcttc ctataattga ttactagtgg 420

caaagtttga tttcaaaagc tttcaactga atttacaacg ttccaagtga tttcaaatg 480
gtgtaatcga ttacaagatt 500

<210> 23466
<211> 385
<212> DNA
<213> Glycine max
<400> 23466

ttgcatgcaa gcttgaagag gatgctttaa tggaggaaaa gaaagagaga aggggggagc 60
acgaaattga aggaataaaa gagggagaga agtggaactt tgaagtgtgt ctcataagac 120
tctcattcat caaagttaca acaagtgtta cacatgcttc tatattataga ctaggttagct 180
tccttgagaa gctttcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240
agaagctaga gcttatctac acacaccctt ctcataacta agctcacctc cttgagaagc 300
ttccttagga agattcctaa agaagctaga gcttagctac acatacctct ctaatagcta 360
agctcacctc cttgagatga gaagc 385

<210> 23467
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23467

agcttaaagg agaagttggt tttctgaact ctaaactgga aaacatgaca aaatcaataa 60
agatgctgaa taaaggctca gatacgcttg atgaggtgct acagcttgga aagaatgttg 120
gaaaccagag aggacttgga tttaatccta agtctgctgg cagaacaacc atgacagaat 180
ttgttcctgc caaaaacagc actggagcca cgatgtcaca acatcgggtct cgacatcatg 240
gaacgcagca gaaaaggagc aaaagaaaga agtggagggtg tcactactgt ggcaagtatg 300
gtcacataaa gcccttttgc tatcatttac atggccatcc acatcatgga actcanagta 360
gcagcagtgg aaggaagatg atgtgggt 388

<210> 23468
<211> 445
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23468

actatacaat acttaagtgc ttatgaaacg tattgtgcgg cggcatagtt agattctatg 60
aaagagtcta cccctttctt ttctttcttg tagatcgtga tgggtggcgca gctaatecat 120
gatcgagtgg agatggagtg cctagaggga gcttgggaga ccctogaagg caacacgagg 180
tgccgatttc ggggcaccat tcgattcacg gctacttctt tgggtgcatcc agatgaacct 240
gcacggacgc ttcagcgcac ggtggagtgg atactacca cgcctacacc atatcgtcta 300
gtggagcccg tccaagtgat cgaggtaacg tcatccgagg aagacctga tgaggatctg 360
ggggagctac ctcccagacc tgctgtggaa gcccttgact ntctagaggg tgatgaggat 420
ccacttcctg aggtggattc tcccg 445

<210> 23469

<211> 392

<212> DNA

<213> Glycine max

<400> 23469

agcttaaagt atgcccagat cattcatccc tatgagatgt tgttgaagta ttggcgatca 60
gaattgccat tccttggatt atagggttga accaagctca cgcttttaca aaaagggttca 120
tcaagtcaag ttgaaatatg gaagtaaccg tcttgcaaaa ttggggcaaa agatgaatcg 180
agtcacatca ctgcttcgtc tactgccaaa catatttagg attattgatg tccttggtac 240
ttccagtttc accttgacaa agatgtcatg gaccatgttg aaaatctaaa ttgattcaac 300
cccatatctt gcgtaaaaat tcgcaatact tcaactgtac atcattcgca tgcattcatg 360
cttttcattg gttgcattgc tcgttgcatc ct 392

<210> 23470

<211> 419

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23470

tgtacgaatg taaganacat cttctttgac cttgggtgttc cttgactcca tctcattgaa 60

tcgaatgtcc actagtaact ccaaagtatc aaacctttca ccaacaaagg tttgaagacc 120
atcgaacctg tccaaaatct tttgaagaag agaggaatct tctccaccat gtaaattgtcc 180
ttcttcatca atgggttgag cacccttttt cacccaaaag ccatcatgct ctttacggta 240
accaaaggat gcaacacaac agcgcctatt agaaaagatc tcttgattgg aacataagg 300
tcagaatcaa gaggaatggt gaagtgtga aggaagagag tgactagggtg tggatatggc 360
aatggagcat ttaatcacia tgccttatgc atgcgatatc ggactaagtg tgcccaatc 419

<210> 23471
<211> 386
<212> DNA
<213> Glycine max

<400> 23471

agcttgtact agtcatatat atgttacaaa acaacgaaag caaaaaattg aatcgattat 60
tgagatata gaaatactta aacaaacctg gcaattagggt gttttgoggc tttttgcaaa 120
ttccgcccat gtttctggat caaggccata cttgactgta ggatcagata tttgctgacc 180
ttcattgtca gcaaagacaa attttgaagt caatgaagac ttaaattgcc tccatcttgc 240
tgcaactgtt gacatcacct ttttttttgc attttcacct tcagggatat caaatttggg 300
ctgcacaaca aaaggagtta tgtaacagta tgtaaatgaa tcctttataa gtaacttaac 360
aacaaaatca tgaatacaag tgtatt 386

<210> 23472
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23472

ctatacaata ctctagctnt actatgcana gaataaccaa ggaaaattcc ttcatttgac 60
ttagctttta attttcctaa gttttctttt tcattgttta atacaaaaca cttgcaacca 120
aaaacatgaa gatgcgagat gtttggtttc ctaccattga acatttcata tgaagttttc 180
tttaagatgg gtcttattaa agccctattc atgatataac atgcagtatt aacggcttca 240
gcccgaat attttgaag aggagtatca ttcaataagg ttctagcaat ttcttccaaa 300
gacctatttg tcctttcaat aactccattt tgttgagggg ttcttggtgc ataaaagata 360

tgttcaatgc catgcttatac acaaaataaa tcaaattctt tatttttcaaa ctcaccccca 420
 tgatcactcc taatagatat aat 443

<210> 23473
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 23473

agcttattgt ttgaaattag tttgtaggaa atagtgtga ttcaaactat tataataaat 60
 cccgttgaag aatattttgt ttttaattgt attagtttat tttagaatat tatgctgatg 120
 gtattaaatg aatcaatddd actactttga gacatttgat aatattgtgt taattgtatt 180
 ggatatttgg atgaatcata atataaaaata gtagttctaa gaagaaaaaa aagaccaa 240
 ttaaatggat aacccattgg ctggaaccaa accaaaacgt tcatgaatag gttggggttg 300
 attgggttta aataaaattg tgaaaaccaa actgaaccaa accgatcaaa tttgattacg 360
 ttggatcctg aatttggcca aact 384

<210> 23474
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23474

ctcatgctga gctgaagttt gagtgtgctg aaatnggctt tgaatagcaa tagacacatt 60
 cccatgcttt catttactgg aagttcaaag gtacttcata tctctcttat tttgattaaa 120
 cattgtaatc tttattttta tgtgtttaca acgtacatta cattttcatg atagtatttt 180
 tatgttacga cctctactag ttagctaaca agtgtagttt tttataattt tttgtaattc 240
 atttttttgt tgggtccatt ggattttatt ctaaatacct attctttatt tataacatat 300
 atggtagtag ctgtaacata aaaattggta ttgaatctta ggttatgctt cttccccac 360
 caattattct ttttagttag aataattatt atagattttc ttottaattt atattataa 419

<210> 23475
 <211> 385
 <212> DNA

<213> Glycine max

<400> 23475

agctttaaat tgtagttaag actgcagaca acttctgttc atgtttgaag tttgatagaa 60
acacagatgt tagctatagt aatatgagga aggctgcttc atgagaagat ttgactgaca 120
actatttatt ctatccaaaa gctgtagatc ttcagtacaa ggatttaagg cattttcagt 180
ggcattggga aaagggggag cctgtaattg tcagcaatgt gcttgaatgt acatctgggt 240
taagctggga atcgcttgac atgtggcgtg cattacgtca tgtaactaat accaagcatg 300
gccaacattt ggcgagaaaa acaattgatt gcttagattg gactgaggct tgcttaattt 360
cccaatcttt aactctattg accat 385

<210> 23476

<211> 427

<212> DNA

<213> Glycine max

<400> 23476

caatgaggcg acaatgaaaa tacctagagg tactacctga tattttgtat gagctgctcg 60
ttatattgtc gattccaact gcatcgatgc atctttaaca agcataccac gaaccagagc 120
agcaaccaag ttgaccttct ttggactcta aaataccata gaaaacaagg tatgtaaaat 180
gtgcaactag tcagatatta gtcagatcct tcttaaacca taaattaaga cattttccac 240
agcaagccag ggaaggcatt tcaatggcta agaaattaga tgccaacttt tctgcaaaat 300
aacatgttgg ttaaaacaca gaagtttctt agcaagtagc taggcagtgg caccacatag 360
atgtaacaga acattggaat tattcaatat tcatgttata gctaagctga acatacttgt 420
gatgata 427

<210> 23477

<211> 340

<212> DNA

<213> Glycine max

<400> 23477

cgcatcttag cttcccgat ccatacttgg aaggatctga ttaccgcctt cctaaggcag 60
tatcagtaca attctgatat ggctcctgac cgtactcaac tgcagaatat gttcaagaaa 120

gatggtgaaa cctttaaaga atatgcgag cgatggaggg atttggcggc acaagtagct 180
cctcccatgg ttgatagaga gatgatcacc atgatggtag acactctgcc agtgttctac 240
tatgagaagc tagtggggta catgcacgcc agctctgcgg atctgggtga tgctgaggaa 300
agaatcgatg ttggattaaa aagaggaaag tttgattacg 340

<210> 23478
<211> 436
<212> DNA
<213> Glycine max

<400> 23478

gacctatgat actcaagctg ggtccctttc tttgtgacat tttctttcac tattttaatc 60
actctatacc ctacattcat aggggttagaa gataccacaa ataccaactc aatgatcagc 120
aatgccttct ttatgtcatc aaatactaaa ggatggaatg gaacacgctg agcactacat 180
cactctcaat tgaatcaatg ttttccaagg ttatgacaat caactaacct acacttattt 240
ctcacgacgt tggatacaac tttacagtct ttacactgcc ctccataaag agacgagaca 300
cattcattca gcaagattta tataattcag tctgataaac atagaagaca atttttattc 360
tctgaaattt acagaacata aaatacaaca aacaaaaatg ccgatgatga ttctcttaca 420
tgttgatgat atatct 436

<210> 23479
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23479

agccgtgtgg ggnnttttga agtcgatggc ccgatgcnac actctanggc gacatggaac 60
tcggagctcc gtgatactct atactcagct tgcgccttct gcttgacaga ggattcgtac 120
atgtggatgt tgctgctgta ttggcgagac cacttaccgt tccctggata attaggttgg 180
agcctacgaa acctttgaca cataaggtga tgagctatag tccaaatacg aacttgacca 240
atgtgcaccc ttcccgacaca taatgagtcg atgagcatct gtgatgtacc tactgacgcg 300
aacatctggg agtattgatg tccttggtac ttacaccacc accctgagag gcatgtggtg 360
gactatgcag aagaaataaa ttgagacata ccgatatggt gcgtatggaa atccgaatac 420

tataggtgtg caatctatca catgcgttca tgcgatgatga cgtgatggct agcacggtct 480
atggtn 486

<210> 23480
<211> 174
<212> DNA
<213> Glycine max
<400> 23480

cttcaccaac ccttgtttgc agaccatcga acctgtccga aatcatttga agaagagagg 60
aatccatatc caccatgtga atgaccttcg tcatgaatgg gttgagcacc ctttttcacc 120
cttgagccat catgctcttt gcggctccca aaagatgcta ccttacagag ccta 174

<210> 23481
<211> 383
<212> DNA
<213> Glycine max
<400> 23481

ttaagcttgc tggttggttc tcaacattgt gaggaatcac gtaacatagt accctttctt 60
tctcacctat cttttatctg taagtacttt gctactcctt ttaattgtta acaattctta 120
acttaaatag aaaatataaa acacttggat caataatggg gtgtaatagc taggctagtc 180
taccgaattg cagcaagtaa tatagaggta agaatcaaca gtgtggacaa atcgcaacta 240
aactagaaac tttcatttgc agttagaaaa ttcgcacaaa atacggggaa gttcagaaaa 300
caggggaataa ttcactatct aatgggtggta gtgtcctatt tattctaate ttcccttatg 360
catacaattg cattctcaat gca 383

<210> 23482
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23482

tttctacttt gcagggcagg acactatgnt cagnanngtc gtgctcggac aaagatatta 60
ttgagtaggt accctgattg gcaagcacgc gcaagggagg aagtctcaca agttgttggc 120

aaccaaaaaac cgacttttga tggactgaat caattaaaga atgtaagttt gtattataaa 180
 cttgtttattg aatagcatgt tcatgggtatt tactatgaat atttttgcaa caggttacta 240
 tgatttttga tgagggttctt agattatacc ctccaggagt tgggtgttcct cgaaaagtta 300
 tcaaagatgt gaaacttgga aacctatcat ttctgatgg agtggagatt ttcatatcaa 360
 caattctggt tcaccatgat agtgagctct ggggtgatga tgctaaggag ttcaaacctg 420

<210> 23483
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23483

agcttgaaga ggatgcttta atggagaaaa agaaagagag aaggggggag cacgaaattg 60
 aaggaataaa agaggggaaag aagtgggaact ttgaagtgt tctcataaga ctttcattca 120
 tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttctttgaga 180
 agctttcttg agaaaacttc cttgagaagc ttctttgaga aaactccctt gagaagctag 240
 agcttagcta catacacccc tctcataact aagctcacct ccttgagaag cttccttaag 300
 aagattccta aagaatctag agcttagcta cacatacctc tctaatagct aagctcacct 360
 ccttgagatg agaagctaaa gct 383

<210> 23484
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 23484

gctgaacatt gactgaatct agttcttttag tttttagtca aaatatctgc tggttgatca 60
 ttggaactaa tgaactcaat gacaatctcc ttggacaata gtttctcccg aatgaaatga 120
 caatcaatct ctatgtgttt agttctctca tgaaaaacaa gatttgaagc aatgtgaaga 180
 gcagcctgat tatcacaata taacttcatt tgtccaattt cacaaaatct caactcttgg 240
 agaagttgct taaccacat aagctcacat gtaaccatag ccatagatcg atattcagct 300
 tctgcactgg atcgagcaac aaccgtttgc ttcttgcttt ttcaagaaat aatattccct 360
 ctaatgaaga cataataatt tgatgtggct ctcctatcca tgggacagtc agt 413

<210> 23485
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 23485

agcttcaaca ttcaattttg agcgtctcga tatatgacga gactcaatca gacatccgag 60
 taaaaagtta ttttcgtttt aattgggtca gaggttcaac attcaatttc gagcgtctcg 120
 ctatattacg ggactcaatc taacatccga gtaaaaagtt attgtcgttt gaattggctc 180
 agggcttcaa cattcaattt tgagcgtctc gatatatgac gagactcaat cagacatccg 240
 cgtaaaaagt tattgtcggt tgaattggct cagagggttaa acattcaatt tcgagcgtct 300
 cgatatgtta cgggactcaa tcagacgtcc gagtaaaaag ctattgtcgt ttgaatttgc 360
 tcagagattc aacat 375

<210> 23486
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23486

ttgagccaat tcaaacgaca ataacttttt actcgggttat ctgattgagt cccgtaatat 60
 aacgagaccc tcgaaattga atgttgaagc tcttagcaaa ttcaaacgtc aataagtatt 120
 tactcggatg tctgattgtg tcccgtcata tatcgagaca ctcgaaattg aatgttgaag 180
 ctctgagcca attcaaacga caataaattt ttaccagat gtctgattga gtcccgaat 240
 atatcgagac tctcgaaatt gaatgttgaa cctctgagcc aattcaaacg acaataactn 300
 ttactcgga tgtctgattg agtcccataa catatcgaga cgctcgaaat tgaatgttga 360
 atctctgagc caattctaac gacaataact ttttactc 398

<210> 23487
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23487

gcacgcgaca tttgaacctt ttgagtcctt ngaanannca anantttgaa tcgctcgcta 60
 ttccngnacc tataaatacc agctngtacc atgngctggt tngaagacgn tncagaccat 120
 cactttgggtc atgccaactc ttccatggaa cacgtaacct tttaatgcac gttttttgct 180
 tcaattttga tcttaattat ttaagggtag tgctaattta cttcctgaat agcattcgaa 240
 gcattggggtc aaaagaatcc aacgagagtg gaagtcattg gagaatgatt taccaggtga 300
 gaatcagttc gattagtata catgttataa cttggctaag atattctcct tatccggctc 360
 actctttgat tttgattaaa gtgactttct ttttcaagcc atagatctgg actgaattga 420
 cggttccacg atctttataa tttgcttaag ggataccacc aaaaaactat ctattgcccg 480
 atn 483

<210> 23488
 <211> 114
 <212> DNA
 <213> Glycine max

<400> 23488

gtacttcata agtatatttg attggaagct ttcctattat cattattaga tatgcctata 60
 ctcttgacac ctctccttta tatcgatagc ctatgaacat tatgcctggt ctat 114

<210> 23489
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 23489

ttggatgatg gcttctttta cattaaggag gatcacttat agggctagca atgaaccgaa 60
 ccaactcgaa cattgatoga aactcaattc aacaattaag tcattgaact tggttcatga 120
 accaaaagaa gtgagcttga gttaaagctt gaacttggtt aataaatgag ttaaacttta 180
 gctacttata actcgattca attgggttata aaccaactcg atatataac acacacacat 240
 taaataatat atgttatatt atagcatcga tataattatt ctaattaatt ctattgtaca 300
 caatacatga ataaatacag taaagttt 328

<210> 23490
 <211> 389
 <212> DNA

<213> Glycine max

<400> 23490

agcttgagga ttgtgtacct tccagattgg atggttatcg ttttcaatga cttagtctct 60
acgcatttcg tccttggggg ttgtgtaccc tttgggttgg atcattccca atccatagct 120
tagcccttcc gattcgtgcc ttgagtcgaa ccttgccctca tcatatctat gtctaatacta 180
attatctcta gaggcctaaa cgcaccataa aatcgtcata gacacaatta atcacacctc 240
gagaatcttg agatatggga gaatatcttg aaatgtcata atgcattgac taatgaatat 300
aagagaggat acacatagta aatgatgata aatagtcac tctttgacct aagaagacaa 360
gttgagcaat acaatttgct tgagtactc 389

<210> 23491

<211> 334

<212> DNA

<213> Glycine max

<400> 23491

agggtgaact taaataaaat aggggatgga atagcaatgc ccgaaatgtc aaaactatat 60
caactaatga gaaccagatc tgtgtatggt acttttgggc tgtaaagact aattaaggat 120
acagggatgt tgcttcctgc acttaccaag ttgcttcctg tactccttca cgaatattat 180
tttgaccttc tgggttggtc attccataag acaaaaagag aatgcattca agaaagtaat 240
tgtacatttc ggattgatcg ttctgaaaag tgaaaaggga gtgcatgaaa caactaggaa 300
atgcaggaag caaagtcta attaatggag cact 334

<210> 23492

<211> 372

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23492

agcttgtaac tccttgaaaa attatagctc aaattgacag aggaaactat gttgtgtcat 60
ttgtgcattt atgaatttaa tttcagtagt tatatgtttt taatcataga attttgtgct 120
atatatatgt atgtgattga tttagtaaag tttgacatag aaatagaaac tgtttgagct 180
agattttcct tgagtttttt atgccaaaag tgagttcttt gcatgttata acatagacat 240

aaccttaaaa ttttcccaaa tcagagttct ctagcaaaag ttacaaataa aataagtnta 300
 aggaccttta ctaaaatgaa aagtctgtca cgaatttgga ctaagagtta caaaagtatg 360
 ggttggtttt at 372

<210> 23493
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23493

tgtcttgtgc agaattaggg tacacacatt ntttgtgtat tctagagtct tgagaccaca 60
 atgctaattt caagatagaa gctctggagg cagcaagagg agcagctttg cagagaagcc 120
 tagggttctt caatttgaga gagattagtg agctagagag tgattgtgag gtactgagaa 180
 gaggaggagg gatccccctt cttgtgtaag gaacaattat tctatactct caatctcatt 240
 tgtgttaggg tttttctgta atggctggct aaacaccctt gtaatggctc gccatatccc 300
 ttgccttgcc ttccaagtat ttccgtggca ggccactat tccattccga atttgcttca 360
 tgcgacccaa ctcttttgct gaatccncaa tcacagctgc aatcttgctc aaggaaggaa 420
 gaaagccgga ga 432

<210> 23494
 <211> 385
 <212> DNA
 <213> Glycine max
 <400> 23494

agcttgagat aggatttggg gtaacaatct agaatctaga tcggagtatc tttggaagac 60
 aatttgggta cgctatttcc aaagggtgggt gacaatgatt ccaaagaagg aactccaggt 120
 atccactgcg gcttccatgt tgttattccc caagttaaaa tctagccaac catgaagacc 180
 aaggctgaag aatttggcct agtgattttg atcaattaat ttggagcaaa actccctaac 240
 ctctttgcaa tctctgaggg aatgcatggg gtcttctacg tagtttccat atctgggaca 300
 gatatcaaaa tttgacatct tcctgtgctt cctcatggca ttaggaagaa gcctgtcatg 360
 ggtgagtttc caaaggagaa ctacg 385

<210> 23495
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23495

atatgttata aacttattca cataaaaatc taatatctaa tctaatttat ttattttaatt 60
 aaaataacat ttattttctat aattaatatt ttcaataatt taatattaat ccaaaaattc 120
 ccaacatatt cttccctaaa ttatcctttt tgaatgtatg gctgatgggtg ttataatgac 180
 atatgtatca acagatccct ctctgcaaca tatagtttat tattattatt attgggaaaa 240
 aaatgaataa atgaggggtca actatagcgc aagggtcaaca tatagtagta aaatacaata 300
 gtatgtactt tttaaaattt atatatgaaa ataactattt agaaatttat aattttttaa 360
 ttattattta tttatcttgt gtacatgtaa attntactta natttaattt atttgg 416

<210> 23496
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 23496

agcttttatc ttttgatata gcttcccact tgattgaaaa tagcaaaaat ccttccatgt 60
 gttgttgctg aagtcgaaaa tcatgaacgt ggttgaaactt cttgagacgt ggtagtcact 120
 gacctaaaag gtttatctgc ggtatcccac acaaactctc caggatacaa taagaacgtc 180
 ttagcagagt taaatttata gaacttgcaa atatacacia cctaggaata aagaggaaca 240
 gagattaata gaagtaaaaa ggaggaacaa ccaatatcat ttgaaaattt ttttctcaca 300
 cccataccgt agtagtaaaa gtaataataa taaaaaaaat gatcaaacca agttgctcaa 360
 gtatgcaccc gtaataaagc acctcgatt t 391

<210> 23497
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23497

tgagcaaaat ggcttgtcag aattagccag tggaatgtct ngtaactctg ctggacgccca 60
 ttccaaacac agtgggttttg ttcactgtct aaataataga acagatgttg cagggtttgct 120
 aggtttttct gtctagctac ttactctttg tttacatata tatatcatta acagatatct 180
 aacagtcaat acaaataaaa atcattttta ttattatcca actggtgtgt tgtgtttatt 240
 ttctgtcaga taaatctgat gtggcaaatt tattttaaac attttcatta tgggtgaaaa 300
 tcagtttgat acagaaaaaa gtattctatg tattgacaac aaaaccaa attttaatat 360
 tttcctaggg gattntttta actaaaatag aaattcagca acaatccata ttaatggaaa 420
 gttgca 426

<210> 23498
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23498

agcttatatt gtttaagata caacgatttt accattaatc aagttttttt aatttcaatt 60
 gatacaaaaa ttttaagttaa ctatacttct gatcctttta gtttggtatta tgtacaaatt 120
 ttggtgctaa agtttttgtc attctagatc ctttactttt aaaactaagt gaactcattc 180
 tctactcaat ttccttctat gttttttatc caaatattta atgggtttatg gtgaactcgc 240
 aatatgaaat aattttaaga ctgtcgtatt ttctcaaaaa aaataataat gaaatttgat 300
 agattnttgt aagacttcat attangatat caaaatagtt taagtcgggtt ggttgaattg 360
 aataaaaata aaaatg 376

<210> 23499
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 23499

acttatcttt cccacaatgc ctctcccaag ctttaagatgt agtctaacta gtctcatcca 60
 ctttatcttg tgttcgagat caagaaaacg accgattgaa acaacattac aaattaaaac 120
 agatccatct ccagtgtcaa ctatgagctt tatataaacc aatgcaatac cgtctggcat 180
 ccataatatca gcccctaaatt ataagaatca cattactaa actataacat caattaattg 240

taaagcaact aaaatttatg ttctatgtct accaacgaaa taatattttt tattaatatt 300
 tataaagtaa aaaagatctt atatattgat aaaaaaaagt tattacatat attaacaaaa 360
 aaacatattt aaagtaaaaa aattctttta aaat 394

<210> 23500
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23500

agcttttcgt tcggcatanc tatatcagcc aaatctattt caggtgtatt gtttgagca 60
 cagaagctat attagacatt tgcgtacaag agctgacaag caagatgtca cagtagatat 120
 atgtccactt tgggccagag gagttcgctt agttcctgat caagatccaa acataacttg 180
 ggagaatcat gtcaacaccg agtgcgaccc atcgaattac gagaaagtca cacagaagaa 240
 aaaatgccct gtccctgaat gcagagagat attagtattc tcagacacaa ttaagtgcaa 300
 ggactgcaca gtagagcatt gtttaaagca tcggtttggg cctgatcata aatgtcctgg 360
 tcccatacat gtggaatcaa gtttt 385

<210> 23501
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23501

acctataaat ctcagcttct caagagggag ctaattatat tatgggngtt agctaagctc 60
 tagcctctca aggaagcttt ctcaaagaag tttctcaagg aagttatctc aataaagctt 120
 ctcaaggaag ctacctattc tgtaaataga agcatgtgta acacttggtg taacttttat 180
 gaatgagagt cttgtgagac acaactcaga gttcaacttt tctccctttt ttttcottca 240
 attttgtgct cccccctct ctctttctct cctcttttct tttgctccat tgaggcatac 300
 tcgccaagct tcttatccaa ggttcatctt ggtggcgaag ctcttcttc catggcttat 360
 tccctagtgg atggcgctc ctctcacctc ttctccttg tcttcattg catctgcatg 420
 gtggaaaatc 430

<210> 23502
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 23502

tcaagcttca cacaattaac attttctcaa actaagtatt agaataccaa gtactaagtc 60
 ctttttaact agacaattga cgtgggtgcat gtttacatgt gcatccctac gaagcgatag 120
 tcaaaaatca tcaatcttat tttccaagca actaaactca tgaaatgatg catgtttcaat 180
 attaagcatg tagatattac ctatTTTTTct acctatgtga acaacctcac tagtttttgc 240
 ttcacaaatg agacaacaat tcttggtgaa tgcaattttg aagcctttgt cacatagttg 300
 acttatgctc aaaagattgt gcttaagttc atcaacatat aaaacatttt ttttatttga 360
 gtattgggct aaattccaa 379

<210> 23503
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23503

ggtgcagcaa ntttgatacc ttgtgatacc nttgaattcc gngactcata gogtactcag 60
 cctatgtcgg ctgacgaaga cgacgggttat gctnngaatt atcaaaccgc natgcacgac 120
 tctactgata aacataagaa tgcggaaga ggagcaacga ttcagaggag acaaagacct 180
 atcattgttg gaaggaaga agtgctagac aatgaatgtg aagtacatgg aagaaagctg 240
 aaggatccag attattgtga aaagctcaat aatattaata ctacaagagt catagggaaa 300
 atggaagaga agaaaaggct agaaacacct ctctataatg gaaaaaggat atgccttacc 360
 cttgggtacc tttcaagaaa gataaggaat gccaccggcg agattcttag atattttcaa 420
 gacatcggaataaactatgc catttgagaga agctgtgccaa caaatgccac tctgctcaaa 480
 gtccttaaa 489

<210> 23504
 <211> 338
 <212> DNA

<213> Glycine max

<400> 23504

agaggcagag cgttggaatt gactccacca gctccctcgc ggtcatcatc atcgtgcttt 60
gttactccaa aattgactct tacagtacta ttggatgcag gaattgcctt tgcattggcaa 120
gactattcac aatgatatct gccaaactaag tagtattact tgtactattg catgtatagt 180
catgtacaat acaaacctta cactgcccga tgtgcctgcg tgcattcatg acttttcta 240
tgatcataac aatacatoga caagaacaaa ttgattgatt atacaaacaa tcatgccc 300
ctgattatac attctacatg ataaaaattg caatacca 338

<210> 23505

<211> 354

<212> DNA

<213> Glycine max

<400> 23505

gacctataaa actcagctgt aggatatggg gaccataact tgtggactat ttgtgggcgg 60
gcgatgggtgc acacaagttt ttcacatcaa atgcgcgcac aaaccacat cccctgttcc 120
cacctccact gagctcacgt actccacgta gccatacct cgttctctca acaccgggtc 180
cccttcaatc tccaagcttc cacaacatcc aagcaaacaa cattcaaata gccaaagctat 240
cacagcaaca aacaggggcaa ggcagaaact ctgtcaacac actaccaa 300
tacttaagac ccagaacatt ctctgtccat tcgtaaccgt ggatcactca attt 354

<210> 23506

<211> 414

<212> DNA

<213> Glycine max

<400> 23506

gagctcggcg cccggcgatc ctctaacgtc acctgccgca ttcttgcttt aacctcattg 60
tccctcacag actgtagata tgggagccac tccaatcctt gtgtgcggac tctcaaccac 120
ttatgatagc tgccgatgat tccattactg ctctccctag actctctggc ctttcttcac 180
gccgcacccc atgccttgcg aactccttgg agtaccctcg cgttgtgggc actgaaaccc 240
cgtgcgatga atggcgtgat gctttcgtct gatggcacta ctctcatggg gtagccaagc 300

tgtcttatgg cgaagactgg attataatta atacaccccc ttgccgccat catgggagca 360
 tttggacatc cttgcgctga agatacaatc atgattcttc cttccttcta gcga 414

<210> 23507
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23507

agcttgccgc ccagctcgcc caggcgagtt tggtgcttct ttcagaagca acaaccttct 60
 ggaggaatct tctggagggc ccaagtgggc ctggttgcta tttgcacccc catttttact 120
 aaatacacc cctgccccct ttttggatgat tctttttccg taacgttacg aaactttacg 180
 aattttgtaa cgatacttat tttccttccg caaggttacg aatccttacg gattatgtat 240
 ttactctatt ttagctttcg aagaagttac ggaaaccac ggattgcgca aaaacacctc 300
 ttttcaactt ccgccacatt acggaatttc acggatcgtg caagcctgct tccttttgat 360
 ttctgagacg tctcgggact tcatttactg tgtaacaaag gacgccaaagt atctcanagc 420

<210> 23508
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 23508

agctttaata tccctttata gttggatcgc gatgttctgc gtgtgggtcg tcgtcaacgt 60
 tcgcgccgtg ggtcatagtt gtcgtgctcg ttgccgccgt tcacgccgtg ggtcgtcatt 120
 gttggttgct gcgtgctgcg ggtcacagct agggccagg gtctcgcttt gtgttgata 180
 ttggagggtc cgcagctgcg ctctgaaagc ttggagggga cgtgcttttc attaagttac 240
 cgggtaaggt tg 252

<210> 23509
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23509

tggacgtgcg aatttgannc cnttgttgan acgttgtann ancganccttg acnacgtaga 60
 gangcngaga cnnegaacag ggcacaggcg tgtttgnacg gattgttact acgncagagc 120
 aactatccat acaagtgtna ngaagaataa tccgctcgtgt actcagactt cgtaagaaac 180
 aagaccatgt ttatgtacat agactgccgt ggtcttgcta atagtctaata gacaaggagt 240
 gtgaaagatg atttcacctg gtttagatct cgtcatccaa ctgatggggc ttgattatat 300
 gttaaatgag attgtcccct gataatgtgg agaacgcgtg attcgaatag atgatagatg 360
 aaagagctgc ctaacaaatg agtggataga tcgatgactt gttgagacct gctctttaga 420
 tataagagtc atttatcact tcaacagatt gctcgtatgc tataactttta gcgatccg 478

<210> 23510
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 23510

aactttccat acagaactca cttaagttag cacaataaca taaaaatata tccaggggag 60
 cacacttgag aaaacaaaaa aggtcatggt taagcaagcc taatactgct ctaaagcctt 120
 cagggactag ctagattaag cttgacgact atggcatgct taagctagtt tagaatcttc 180
 aaaattcttc aagatccttt cattgcaatg gtggttcttc aaagtccctc cacagtgtcc 240
 tccaaaaatt gattcctaca ttttttttta aataaaaaact aatgaagacc atatgggaaa 300
 aacattaaaa tttaaatttgc taaataacca acgaattata c 341

<210> 23511
 <211> 131
 <212> DNA
 <213> Glycine max

<400> 23511

tgttgtcagc tcattttctc ttgagttcag atcacttaga ggtctgattg gagaaatgcc 60
 ttcgagcttt ggtgccctca tgaaccgtca gtcactacca ctattaaata atggggttagc 120
 atgcaaaaatt c 131

<210> 23512
 <211> 363
 <212> DNA

<213> Glycine max

<400> 23512

ttgcattcaa gcttttgggca acggagaaca ttcttattgc ggaagctcta agacttgatc 60
taaattcttaa taacaagtac taattatata atgcattaga tacaacacac atgggtcttga 120
tctcattgtt tctatctagc tatttgatgc tatgaaattg gaactggtgc gctacttgat 180
ctgatttata tggaaaatta cttatactca ccttaatata atcatatttg tctaccaaaa 240
aaagacaaga gttaacacac atagcatagt gatacaacga agttatacga aagcatgcat 300
gccatttcag tgtgtattaa taattgactg cttaccaaaa gagaagcgag catgcatgcc 360
tta 363

<210> 23513

<211> 283

<212> DNA

<213> Glycine max

<400> 23513

tcaccatggc ctacatgata aaagccattc gatcttctat agcggacctg tcgaccatca 60
tcagttcttg cactccctcc ttattaacca tctacttct gtgataagta tggttatatgg 120
atgcgcttcc cgcttttcta actatggtga tgttgtcacc ataacatgaa tataactaatg 180
aatgatcata gcactttaat tcaccttaag gcttctttac acaacgtgat cagttccaga 240
actcctattt ttataaataa gaacaaaaac ttttatctat cca 283

<210> 23514

<211> 393

<212> DNA

<213> Glycine max

<400> 23514

acctatacac aacccaagct gtgacctgcc tctatattca caacaatccc atccttcttt 60
caaataatga gttcctggtg gagggtagat ggccaaccc caactccatg aatccattcc 120
cttcttaata gcaaggtaaa attagcccta cactgtatca ccacaaatag agttgggtcga 180
actatactgc ctaacagcaa caatctactt gaatgggtcc cacagacaag ccagcatcac 240
ccatcaatat tcgaaagcac aatgggtgaga gcagatagat cagagacatg tttcccgatc 300

ttgtggagca tagatcgagg cattaagtta acagcagctc ctccatctat gaacacattg 360
 tgagatccaa attctcactt ttgctctgat gaa 393

<210> 23515
 <211> 324
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23515

agcttcataa taaatttccn cgttctacag ctacacaaat cattgcttct taaaattaaa 60
 aaatatatta ttttatattg aagcagatat cacattatgt aaatcataaa gaattttaa 120
 agtcaaaata ataattaaaa attgaagatg tctttcatatc tgttactggt agaaactctt 180
 atgtttctgc gcacaacata atgagcacia ggctttttcc tatttaataa gcatgattaa 240
 gaccaactct ttctgcagta ttatgcatac atgaataata tgagttgcaa gacataatga 300
 gtgccataa cagacctcta agac 324

<210> 23516
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23516

agacatcatt gacatcaaag ggtnttttta tttgagtatg aataagacaa tacaatacac 60
 atttcaatct tccatggaag gaaattaaag agcctctcaa tctctctaaa aaatagaata 120
 agtaccataa acagagaagg aaagaaatta gatcaggaga gaaacaagaa cagattttga 180
 gcagtctata ctagttggaa aaatgagaga gaggggtgaga gagaaagaga caaacacaga 240
 gacagggcga gagatgagat cgggagagag cctgagagag agagaggtcg ttcaagactt 300
 aggaaccagc agtggaggga gagacatctt gatggggaca gatacagtca gggtgagaga 360
 ggaagtggga gaaggatttc caggcatcct gcatgagata atcatcg 407

<210> 23517
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 23517

atcttgtaga ggctacttca agaaagtggg tctatagaat aaaacagtta atatagataa 60
attggccatg gtatacaatg acactatcat aagtgcgctg ctctattcca caatattggg 120
tttggttttc atgagtgtcc aacagcatca tcattgtatt actttgcttt taacagaggg 180
cagacagctg cttctgcatt taagttgaca ttgagaata aaatcatgta atgtaattca 240
tgccctcta ttcattgtgaa tacttaaata cacgcatgct ttgtttgcac atcaccgggt 300
agagggttga ttaagtagtt gttcaaaggc tctggatata ttaatttgga ctgtaaaatt 360
actaccaatt tctagaatat tcttaaa 387

<210> 23518

<211> 383

<212> DNA

<213> Glycine max

<400> 23518

tgcagaatta gaaaaccoga gaattatttg ggcttatcgt gaaggttcgc gcttagcgag 60
tgctgcagct ctgattggtc tgcaactttc actaagtggg acgtggccgg cttagtgaat 120
taaatgcctc aagatgtagt agtggggctc tgcttagcga gatgggtctcg cttagcgcaa 180
tgccattcca aagaggggaat tgggcttagc ggggatgacc cgcttagccc aattggcatg 240
ggggccaag cagagaggta tgcacgctta gcgagactat gttgtgcgct tagtgagctg 300
gctcgcttag ctcaattgca ataaatgcaa ttccacagtg gattttgcgc ttatcgtagt 360
gtgcttagtt accgagaccc ttt 383

<210> 23519

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23519

atcttgctc aaagaggtcc aggaaggaca aggcatacaga aggaactagt tccgctccgg 60
agtatgatag tcaccgcttt aggagcgagg tacaccagca gcgcttcgaa gccatcaagg 120
gggtggctgt tctccgggag cgacgcgtcc agctcatgga cgacgagtat actgatttcc 180
aggaggaaat agggcgccgg cggtgggcac cactgggttac tcccatggcc aagtttgatc 240

cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
 tgagatcctg ggttatgggt cagtggatcc cgttcgatgc cgacgctatc ggccagctcc 360
 tnggatatcc gttggtg 377

<210> 23520
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 23520

ttcttggttt cagctgctga agatgaattc gtggctattt catgcactcc tctaatact 60
 atagcatcat ttctggcact aaactggttg gagttggaag ccattcttctc aattaaattt 120
 ttggcttcag caggggtcat gtctccaagg gctccaccac tggcagcatc tatcatactt 180
 ttgtccatgt tactgagtcc ttcataaaaa tattatagaa gaagctgctc cgaaatctga 240
 tggtagagggc aactggcaca tagtttttta aatctctcct agtattcata taggctctct 300
 ccactgagtt gtctaatacc tgaaatatcc tttttgatgg ttgtggctcct ggaagcacgg 360
 aaatgttttt tctaagagtc ctctcttgag gtcattcctaa ctcgtgatgg acctt 415

<210> 23521
 <211> 277
 <212> DNA
 <213> Glycine max

<400> 23521

atgcaggaat tccacctacc ggcaacgatt tgctaactta cacaatacgg ttctcataat 60
 ggtgcgttag aagagctatg taatcttctc ataatatctc gtggtaattt ggagtcgact 120
 aattcacaac tattgtgtca acatgactga ttcgtattgc tctgtcttgt ctgcatgaca 180
 actagttgga acaggatata attgtgatac cataggaaac agcttggttt ggctattatc 240
 caaatggagc cctccatccc gttgtaccaa gtcaaca 277

<210> 23522
 <211> 176
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 23522

actcacgctg tgatctgcct ctatatttca cattccccatc ctttttccag acaattgtgt 60
ttctggtgga tggtanatgg cacagcccca actccatgaa tccatttcct tcctaatagc 120
aagttaaaat tagccttaga ctgtatcacc aagaatagag ttggtcgaac tatacc 176

<210> 23523

<211> 371

<212> DNA

<213> Glycine max

<400> 23523

agcttgtaat gaagatgaac atgaacttag gatcacttat ttctggtcag atttcactca 60
ttgctcagtc caactcctcg cggcttggat ttccagccct gattactgcc ttgtgcaagg 120
cccgaggagt cacctcagat tctcttacct tcgagtcact cagcccagcc attaatttgg 180
cttatattaa gaagaattgc tggaacctgg atgacccttc ggtaactttt ctagggaccc 240
aaaaatccat ggctagaaga tctgaggccc tatcttcttc agctactcct gctcccccta 300
cccctgctcc ctttactttt gctctccctt cagcaccagt aactccagtt cttccaggtc 360
ctttcgctca g 371

<210> 23524

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23524

agcttccatt attatggatc ctcatgatcc attccgacta aaggggtgtga accaatcaga 60
ttgagcagtg cttgcttcaa ctgcacaacc tttgtggaag caaagcttca tgatgaatca 120
acaatgattc aaacgtgttt tgatgataac aatgatgaca acaaaagatg atgacaaagg 180
tgatgaacaa aaagctcaaa agatcaaaga acaactcaag taaatcaaga acaagtcaag 240
agttcaagaa tcaagaagaa ttcaagactc aagaagaaag tctacaatca agaatcaaga 300
ttcaagattc aagatctcaa gaatcaagat caagattcaa gactcaagat tcaagaatga 360
agatnagact cattcaag 378

<210> 23525
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 23525

ttccaaagtt ttctggtttt tccatacctt gaaaacttgt gctattcata tatttcattt 60
 ccttctccct ttgccaaaaa gaattctcca aggactaacc gcctgaattc tttttgtgtc 120
 tctcttctcc cttttccaaa agaacaaagg actaaccgcc tgaattcttt tgtgtctccc 180
 ttctcccttg tcaaagaatt caaaacgaca caatctgaga attcttttga ttcttcccat 240
 tcccttatac aaaagtgttc aaaggactaa ccgcctgaga attcttttgt atccccattc 300
 acaaagtatc aaaggtttaa cagcctgaga tctttgtctt aacacattgg agggtacatc 360
 ctttgtggta gaggtagagg gtacatctac ttgggtttga ctgagaaca 409

<210> 23526
 <211> 127
 <212> DNA
 <213> Glycine max

<400> 23526

agtctttata gattgccgat gtaatgagat gtgggttttg cattaccott cttgtatact 60
 attattatta cgagattgtc agctggagct ctatgcttat caattaattc gtgcacgatg 120
 atataat 127

<210> 23527
 <211> 293
 <212> DNA
 <213> Glycine max

<400> 23527

tgtattagag ctagatagat ccatttgttt cgcgtttatc gatctgcca ccggettggc 60
 tcagagataa acccctccga tgatctgtc catacactcc tcccatccgt tcgcaaagtc 120
 agcctagatc cacacattat gggctccatt acaggggtca atcaaccgcc ccccgatcac 180
 tgtgccgat acttctgtca atacggcctg atctatccac tggaagatga ggtggccaga 240
 ggaagcctgc atcataacat taatcttgt tatcaatcat acatcctacc ctc 293

<210> 23528
 <211> 323
 <212> DNA
 <213> Glycine max

 <400> 23528

 agctttatct tctctgctga aatgaagcta gtcaaatcaa gtcaagtctt ggttggaatc 60
 tagtctatag actctcatgg ttaattaggt atctgtctgg gctatatagt gtatctgttc 120
 tgccttttttg gctcattgca ttgctcaatc aagtgtagtg ttgttcactg ttcttctctt 180
 cttcagttct ccgtaggttgt ttctgttatg ttccagggtg ggatgggtgct ttgtgtctac 240
 tacttctatt atggtaggtgt agtgtatttg gttcattaga aatgactttg gttttggatg 300
 gctctctatg catgatgggg ttc 323

<210> 23529
 <211> 397
 <212> DNA
 <213> Glycine max

 <400> 23529

 tctagcgggt tgaattgtga gtccaaagaa tgttcttgtt tagccttgga aaaactggaa 60
 tcagcaacag gctttgcatt gctatgttga gttaatccaa ccaactgcctt cattcatgtg 120
 attatcaatg ttactgcac tcacttcttg accttctagt ttatgattct tgacatcaag 180
 aaaaataaaa tgcttgatta caatcaacat ccctgtaatt taagtgtgaa ataactacta 240
 tcttcctttc atttccataa attatcatga aattcatctt tctccattcc ttttaataca 300
 tgttaaaatc aaaagataaa gattaaacta gcctataaga tttaaaagat aaattcacta 360
 gaaattaccc ttacctttca ttaagttatc atgtatt 397

<210> 23530
 <211> 375
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 23530

 agttttaccaa cccaatcccc taacactaga gttgacaaga acgattgacg tgtgtacttt 60
 gatgccacat catttacgga ccccgaaatag ttcagttaac ttggaagatt gagaagtttg 120

atatcaacaa ctaaaataat aattattggt gttactattg acttcataca aaaaataaag 180
ctattgtggt aacctaaaca tcaactgtgtc caagtatagg tgtccgtaac acccaatgca 240
gtgaatatag gattgggaat cttgtcatcc tacatcgatc ccatacaatt gtgaattagc 300
atgggatttg acacataata tgttaagggtt aaatgtgact cancattcct ttagcttaac 360
ataagagctt caaaa 375

<210> 23531
<211> 374
<212> DNA
<213> Glycine max

<400> 23531

agcttctact tatgtggcag ggcgggcttc cttcactttc ttgtctcaac cgcgagcttt 60
gaccaccgct ctttcttccc gcgatgcttc tctttatata cgcttgagtg ggtttatagc 120
ctaaaccata cttcccacga tttcctttgg catttatcaa gctagttagt ccgccgttgt 180
ctttgcctaa acccattccg ggttcgtaat cgttcccaa cataactcgg gccatcatta 240
ctgctgcata ggacaggcaa gcttgcccag agaaggagtc cacggaggaa atgcttacca 300
cctcaaaaga ctggaaagcg gtttctaata actcctctgc ggcttccaca taaggcatag 360
aggatgggca gctc 374

<210> 23532
<211> 326
<212> DNA
<213> Glycine max

<400> 23532

ggacacttaa aactcagctt ctagcgtagt attggtattc aagaatgatc tgtttaacct 60
tggaactg gaatcagaac aagctttgca ttgctatgtt gagttaatcc aacctgtc 120
ttcattcatg tgattatcaa tgtttactgc actcattct tgaccttcta atttatgatt 180
ctcgacatca aaaaaataa aatgcttgat ttcaatctac atccctgtaa attaaagtgg 240
gaaataacaa ctaattttct ttcatttgca taattaatag gaaaattatt tttttacatt 300
ccttttaata catgttttaa tcaaaa 326

<210> 23533

<211> 396
 <212> DNA
 <213> Glycine max

<400> 23533

agcttgctca agacatttta taacatttca atccactcaa ttcatacaat ttctcattca 60
 aatcaatcac aacacttcat ttcatacgaa atcaaaccac tgaatcatat tcaaccaatt 120
 cactgttcaa actgttcaat catgcttttg tacaagctac tactacaaac aaaataacta 180
 aaatttaaaa ctgaaattta aagattgaaa tttaaataat tgaacataaa catacaataa 240
 actaaaatag aataataata aactttttcaa aatgaaagat aagaatataa agatcctgtc 300
 aatcctcctg tgggtgatcc tctgcatgct tcgttcagat ctagcgctgg agtagctggt 360
 ggatcctgtg aaatgggctg ctcttgctcc aatgct 396

<210> 23534
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 23534

atgaagtttt ctggttttcc aaaccttgaa aacttgtgct attcattctt ttcattttct 60
 tcttcctttg ccaaaaagaa tttgccaagg actaacggcc tgaactcttt ttgagtctct 120
 cttctccctt tttcacaaga acaaaggact aaccgcctga attcttttat gtctcccttc 180
 tcccttgtca aagaattcaa aatgacatag tctgagaatt cttttgattc ttccctttcc 240
 ctaatacaaa agtgttcaaa ggactaaccg cctgagaatt cttttgtatc ccatttcaca 300
 aagtatcaaa ggtttaacag cctgagatct ttgtctcaac acattggagg gtacatcctt 360
 tgtggtacaa gtagagggtg catctacttg ggtttgactg ataac 405

<210> 23535
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 23535

agttatacaa atcacattta gccccttttc aatttaagac ttctcaattt tgggcactaa 60
 gattgttcaa tgaggataat atcgattgcg tttcattctt gtgtgcagtt ggtgacttga 120

accatctgat ctcagctaca atgtctggtg tcaattgttg attgaagttc cctgttcaac 180
 ttaactctga tctgcgatag cttgcagtga accttattcc cttccctcgc ctccacttct 240
 tcatggatgg atatgctcct ttgacatctc gtggtcttca gcaatacatg gccttgagtg 300
 ttcttgagct gacacagcag atgtgggatt caaagaacat gatgtgtgct gctgaccctc 360
 aacatggccg ctaccttact gcctcatcc 389

<210> 23536
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 23536

gaccgtcgaa cattgggtcat aggtctacaa cgacgtcgca tttaaaggca ggctgcgcc 60
 gtcgttgaat gccgacaagg accgatgtaa aacggctttt ttctagcagg gaaaaaggaa 120
 tgatttttca atagaaatga tgaaaaattc caaaccacagg ccctaattgc tcatcattgc 180
 cctacaaaaa cctagaatca aaccactcag tagagaaaag tgatgcaatt ctcccaatga 240
 ggggacccat caccagagac atgactagga gactccataa agattggaca aggatgcatg 300
 agaagatcct aatgttatga gaagccttac acac 334

<210> 23537
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 23537

agcttaaaca ttcaatttcg agcgtctcgt tatattacgg gactcaatca gacatccgag 60
 taaaaactta ttgtcgtatg aattggctta aagcttaaac attcaacttt gagcgtctcg 120
 atatattaca ggactcaatc ctacatccga gtaaaaagtt attgccgctt gaattggctc 180
 agaggttcaa aattcaattg cgagcgtctc gatatatattc gggactcaat catacatccg 240
 agtaaaaagt tattgccggt tgaattggct cataggttca acattcaatt tcgagcgtct 300
 cgatatatgt ggggtctcga tccgacat 328

<210> 23538
 <211> 397
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23538

ttctaacgat aataactttt tactcggatg tccgattgag tctcgttaata tatcgacacg 60
ctcgaaattg aatgttgaag ctctaagcct attcaaaca caataacggt ttactcggaa 120
gtccgattca gtgacgtaat atatcgggac gctcgaaatt gaatgttgaa cctctgagcc 180
aactcagacg acaataactt ttactcggga tgtctgattg agtcccgtat tatatcgaga 240
cgctcgaaat tgaatgttga acctttgagc caattcaaac gacaataact ttttactcgg 300
atgtctgatt gagtcccata atatatcgag acgcttgaat tgaatgttga acctctgagc 360
caagtcaagg agaataactt ttacttggga tgtccga 397

<210> 23539

<211> 367

<212> DNA

<213> Glycine max

<400> 23539

agctttagg cactttgaac gcaatattct ccattatttt ccatoctcca aatgactatt 60
ttgcttttgt accttgcata ataggcactt gaagaatggt attcacatcc cttagattga 120
atatttgatt aatcacatcc atgtttcaac ttccatgtga agtatccata atatttgta 180
ctttgagatt tttcatccca ttgattataa gagtttcaat agtgagattc tacttcattc 240
tcaactaggg ttcgttccaa ataccaatat tagtaccatt tcccaacttt catttatatc 300
cttcctttat gaccattgta gaagagaaca tacttcacca tgtatatgat gggttgtgcc 360
taactaa 367

<210> 23540

<211> 390

<212> DNA

<213> Glycine max

<400> 23540

ogtgatcaat agattcattg gcatagattg taggatgaag ttgtggtgcg tgatctat 60
tggtgtcacc cagatgcagt aaagttatgc aatacatgtc atctggtact ttttatagat 120
agtacctaca aaacaaacag gtacaaactc ccactacttg actttgttgg ggtgacacca 180

acggcgatga cattctctgt tgggtttgca tatctggaga ctgagcgtgt taataatatt 240
gtatgggctt tggaacgatt tcgaggctta tatataagaa acgatcgcct ccctgttggt 300
attgtcactg acagagacct agcactgatg aatgcagtga aaattgtggt cccagagtgt 360
acaaatgtgg tgtgcagggt tcatatcgat 390

<210> 23541
<211> 285
<212> DNA
<213> Glycine max

<400> 23541

tttcattcca aattttgtta ccgaatatgg attgtatcaa caagtgaaga aacactcttg 60
tttgttttgt tcctgtatag ctgcataatg cagcgcaatg acaaatttat tacaaagtga 120
tcaatatagt gaaggatata tatgtactga gaagtcttaa tgcaatgccc caattacaac 180
gtacaaatga tagattgtat tgtgtagatt atttaaaaaa aatgaaaatg tttaaccata 240
atgcatatat aatttcttaa aagaagattt aaaggatatg tcctt 285

<210> 23542
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23542

agcttcagac caaagcaatt caaaatctag gtatctaaaa cccctcaatt tagtggattt 60
tcaagggttta agaagtgaaa atgagaatgg ggtaattttg gagcaaactc tcatctcaaa 120
caagtctata acattaatct aaactcactc aaactggttt tacgacgaaa actccaccga 180
atcaaaattt gacctctcaa caccctaatt accctagaaa tggctcttgc ttctactttg 240
gtcactcatt ttccccattt gctcagccca agctttccca caagtcctaa ataacatttt 300
aaactaggat taaatcactt taacctccaa ttaccactaa atccagatnt agctnttcaa 360
accctcaaag catcaca 377

<210> 23543
<211> 407
<212> DNA

<213> Glycine max

<400> 23543

tggttcgagg tacttaccgc ttgatgatcg aagaacgatg aagaacgaat gaagaacgtc 60
gaagaacggt cgaaaccttc gcgaaattcc ttacagaaac gttatgaaaa cgtttcggaa 120
gcgcctcggc ttagattttc ttcacggaaa caatttttcc aagcaaattc gaaagagaga 180
gaagtgccta aggggctgaa cccttttctt cttcacttcc tcccctatct atagcaaaat 240
aggggagatg cttgccgccc agctcgccca ggcgagcagg gttgcttcct ccagaagcaa 300
cagccttctg gaggaatctt ctggagggcc caagtgggcc tggttgctct ttgcaccccc 360
atttttacta agtgcacccc ccctttctat ttttttgtaa ttctttt 407

<210> 23544

<211> 374

<212> DNA

<213> Glycine max

<400> 23544

atcttgtgaa ggagtcacct caatgggggg tcgaaccaat tgctgagtga taagtgtcgg 60
ccattgagga ggtatcttga caataaagga ctgaatttgg tgagtccaag ttggaggagg 120
caaatggact atatcatcta atgggtgagtg tcatacccta atttcgtccg gggactattg 180
cttgatggca tgcaaccttt aattgaccgc ttcaaagtac ttggcacccct ttgttgacaa 240
atatgtgaag tcccagagaca tgccggaaat caaaaggaag cgttgttatg caatccgtga 300
tattccgtaa cgtgacggaa atcaaaagga agtattgtta cgcaatccgt gagttttcgt 360
aacctttttg aaag 374

<210> 23545

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23545

tgtgtgactt aatcacaggc tcaattttct gtttccattg aaggtgggtt gaatcatcaa 60
gcttttcagc tatggagttt ggaaaggatc aggggtacgga agggaattgg aattggatgg 120
agaaacctag ggctcatcat accataatag agtttctgag agtgagagaa attgagagag 180

aatttaaaga gataaaaatg gagtctaattg tttattcatt gcttatatag gctctcagta 240
cagctgtaac taactgttaa cagttaacag ttagtaacct cactaaccaa cctaacagat 300
tactaactg atttcagttg aataactggt tatttacata tataacctaa tacaattaat 360
gttatccaac gcccgatgct cattattgtg aggtanggga tgcttct 407

<210> 23546
<211> 378
<212> DNA
<213> Glycine max

<400> 23546

agcttgccct tccaagtatc aaagatctcc tcaattttgc tgtcctcaca acgccaatta 60
tatccctcgc tacaccttcc atccccaatt taaacaaact tacttatatc cttgtgatgt 120
catctctccc aactaaatga cattattagt aacaaaacgt actaatgtca cattatgaaa 180
agtttagatg acactgctgt ggaataccat tctcacagct ctaatgatat ctaccttaat 240
tttccaatcg ttctctacat tgaaataaag gaacttccta ttaatttgca tagtgtccaa 300
catcgctcga tctctacaaa tgtacaacag acgaacatca tgccctcatgt gtttccttgt 360
tacaatctgc gctaacat 378

<210> 23547
<211> 354
<212> DNA
<213> Glycine max

<400> 23547

tgtgtgaagc cactctcatt gacatacagt caatgtatct tgctgtcaat ctccatgttc 60
tccccatttc tgggtgcctat gtagtgtcaa gcgtccaatg gcttaaatca ttggggggcac 120
tactcacaga ttataacatc ttgtgcatgc agttcttcta tcagggacgc atgggtggaac 180
tgaatggaga tcaggatgac actccgaact ttgtcacact gtcacagttt tggcgaattt 240
tgcacaccca tactttaaga ctgtactacc aaattacact tctatcgaag gactcgcgca 300
acccacagga ccttcaccca gatattcagt ccctcctgac taagttcgca cact 354

<210> 23548
<211> 358

<212> DNA
<213> Glycine max

<400> 23548

tgcttgattg ttcaatgact gaataagata gagtcttctt aaaaaaatc atgtaaatac 60
tctgtattaa aagaatgaca gagagtgctc atagaattgt taatagacca ttcggggagat 120
aagaagacac acttagttta tactagtgc a ctcaacctga gctacgttca gttctccttt 180
acacttccag taaagatccc acttatgaaa actcgattaa gaaacaagta tgttgaccta 240
tcactctagg ctataaaagc attcttaata caactgctgg cactgtgtta gactcccctg 300
aatctaagaa accctagtat tagttaacac tgagcaactc ctatctttca caaacagt 358

<210> 23549
<211> 362
<212> DNA
<213> Glycine max

<400> 23549

atactcaagc tcgttttggat gcaagataac acatgattgg gtgcattttg ggtgatgcta 60
ccctgggttg ccagcaatca gctatgagcc atgctataat agtttccata cacctagacg 120
tttacgaatt atgttcatca cggacgtgta ggtgtagaat aggtatcaaa atacctttgg 180
caagtttaca ctttggttat gatagcatag tacttggatg tatgtacatg taattcttgg 240
tagtcaaaat gtctcacaca agtatatata tgttgcggtg tatgtaaaga aataccttac 300
aaagatgcct ttttaatttga atgcatttct gatcaccaa agaaaatttc ttgaatttgc 360
tg 362

<210> 23550
<211> 376
<212> DNA
<213> Glycine max

<400> 23550

agtttgacca ggaattactt gtatgggttg gatgttgaat tctggttgtt cctggtgcgg 60
agatgatggg acagcgggtg aaccagaagc ggaagtttct tttggtgagg tagccatgga 120
aaagcagagc gtttggaatg atttcgtaaa tctcagaagg ctattgggaa atgctggtat 180
aaacacgaat gccaaagcaga tataaatttg aatgaggaat gtagagggtc gtgtgaagca 240

acggtcgaat tttccttggt tcagtagtga acgtgctatt aatgttaagt gattcgtttg 300
ggcacgttca gattgctgta gttgctataa ttccctctagc acacaaatgc ccagcttgcc 360
cctcatgttt tcatac 376

<210> 23551
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23551

ntatgtatga gtgtccacat ggatgtatgc atgatcatgt tttgcacaaa tttctaataca 60
tcattctcat atgtgtgtca tggaaatgat ttgggggcat tcccttattc ttgaatcgct 120
tgataaacia atataccgac atgcatcatg tcccaccatc cgtaggcctt ttgagccaaa 180
cctcaacgtt ttggccataa ccttgaccta ggatggaagt ttccaacctt accattggta 240
aaaagaacag aaggatcttc caaaaaaaaa gagcttattt taccttgggt tataaatgtg 300
ccctaaaaga aaagaaaaga aaaaggaaag gaagaaagtc aaccaatcag agattggaga 360
aaagtaaaag ataaaataga aaagaaagaa agaaaaaata t 401

<210> 23552
<211> 380
<212> DNA
<213> Glycine max
<400> 23552

agtttgtact tgttcaccca acctgagttt gagggggtaa ttatggagta tatctagcat 60
actgtcgcag agctttgggt agctcatgtt atgcataatg ccaaccgtat agctgtttta 120
gttaaccaca attaattata taagattcta acttctaagg ttctggaatt tgttgtaaca 180
gacttcagac acttgaaaac ccgacatctg tctctgtaga tatatgtgga acttatgcag 240
ttaattaagt aactttctgt gaaatataca tttaagatat gattgatatg ctttaattgt 300
atagctaaaa ttagggattt ccttatttat tcttcattat taggtttcct ttattatgta 360
tccattttta ttataaataa 380

<210> 23553

<211> 394
 <212> DNA
 <213> Glycine max

<400> 23553

tgtttatggt attatagcat gtgactacat catcaatcgt tgattattgt gtcacatgga 60
 taggcttgta tccaaacact ttttctatta ttgtatatca cgggtggcac tttgtgaata 120
 taccaacaaa atcacatggt cttgaggaat tatgttgggg gtaaaacctt tctgatgggt 180
 aaatgtgatc caaatgattg gtcattgcaa gaggtaacct ttgatcttaa acaacacgat 240
 tataaagggt ctgttcagat tttctatcgc caacttgga taagggtgga taaagatctt 300
 attaaagttt taaatgatga tggaacaagg aaaattgtta agactgctat ggatttgatt 360
 caaaaacatg ttgaagtata tattaatcat actt 394

<210> 23554
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 23554

tctaatacgc attctcatat gtgtgtcatg gcaaagattt gggggcactc tcttatactt 60
 gaatcgcttg ataaacaaat ataccgacat gcatcatggt ccaccattcg tacgcctttt 120
 gagccaaacc ttaaccgttt tggccataac ctttacctaa gatggaagtg tcccacctta 180
 ccattgggta aaagaacaga aggatcttcc aaaaaaaaaag agcttatattt accttggggt 240
 ataatgtgc cctacaagaa aagaaaagaa aaaggaaagg aagaaagtca ac 292

<210> 23555
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 23555

agctctggat caagtgtacc tttggtgcaa tactgtactg tcctttgtgc tcttgaggag 60
 tttctataaa ctagaggcaa ttggcttggt ttcttgccct tgtataatga tgaccctttg 120
 aaaacctttc cattcccaag cttcacttgt gttggaaagc ttatgtctgt gtagctagca 180
 gcaacagtca tgatccatgg agcaacattt ccagcagttg aactagaggg gcctgaattg 240

cctgctgagc aagaaacaaa aactccttta tgcgttgctc cgaacgaggc tatggcgatg 300
 ctgtcattgt aataaggtct tgcaatgcc aataatgaga gtgacaacac atcaacacca 360
 tcagcaacag ctcgatcgat agcagccaat atg 393

<210> 23556
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23556

gcttggagtc tatataaact tgtgagaatt tcatagattc gactcgtgaa ctcaacttat 60
 agactcgtaa gagtctactt catataaaat taataataaa atattttataa atgattttatc 120
 aattaaatat ttcaacaata taataaagta aaatagtaaa tcataaattt cataatactt 180
 aaataatcaa atctagtaat gcatcactat taaataataa cttgcatata ttatagtaat 240
 ggtaaatcat ttccattgat gatttgatgt tattagagaa caagagtttt attttattaa 300
 aggtagaatt ttttttattc gagaacaaca caataaatga aaatatgttg atcactaaat 360
 agacagaaaa taaccanana tgacttatat ttcggtttaa tttttttaac ttattaactc 420
 gcc 423

<210> 23557
 <211> 245
 <212> DNA
 <213> Glycine max
 <400> 23557

acgtacgatg ggtcttgatt actgtataca atatagaacg ggctaaacta acgtgagtgc 60
 cgacgcgcta ttacgatgtt cagaggtacc aagtgcctcg ctattcatac tctcaatgcc 120
 tcactttgtg tttcttgaag atctgtctaa tgaattgcac ccgcataatg aattttataac 180
 ctttaaggac aaagtccacg cataaccaga cacctaccgt gaccatgtgt taacacccaa 240
 ctttg 245

<210> 23558
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23558

ttgtgcaaca ttggaagaaa nttttgtaga aaatgatgca gccttgaagg gagaaactaa 60
 actgtgcaat ttccattgtc tgacctcatt aacattatgg gaattaccag agctgaagta 120
 tttctacaat ggaaaacact cactagaatg gccaatgcta acacaactag atgtatatca 180
 ttgtgacaag ttgaaattgt ttacaactga gcatcatagt ggagaagttg cagatataga 240
 gtaccacctt cgtacttcaa ttgatcagca agccgtattc tcagttgaaa aggtaccaaa 300
 aagatttcct atctagtatt catattatgc ttgcaogtct caatatgcat aaataattaa 360
 agaaattgct agtcacaaac tttttggcat cccatgctga tcttaaat 408

<210> 23559
 <211> 297
 <212> DNA
 <213> Glycine max

<400> 23559

tcattgctgt tacattttct cattaagggtt aaaagagtgt atccttcaaa cttgggtggt 60
 ccaagtcgtg gtaatcgtct caatcatgct actgtatcta aactcgaagc gtaagatcac 120
 caatcctttg ttcttgaaaa cttttttctt ctttttttct tatttaaatac taagcttcaa 180
 aacattcctg atctaagggtt gaaagataac agaagtgtca ccttaatgaa tgtatgagac 240
 agacacaatt atatgtactg ttcacataat cacatcagac gttatatattc ataattt 297

<210> 23560
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 23560

catgccttaa agaagaataa gatttgcagt agtaccact ccttcattaa taagtaggac 60
 ctgtgggaga ccactagag ttgggcctag agttaaggga tttgagtagt atgcatgaga 120
 tcataggttc taatctaagt gtaaccattg taccaaaaaa aaaaaatagt accatgggac 180
 tacaaatttt ccaaagagaa agggatgcat cacacaccta gcagctggga gtcacacttc 240
 atcttttatt ttctattttt gatagctaac tacatcattc atacagggcc catcatacat 300

ggggaccaag taaaccgtaa cttaaagggcc aggtttttttt ggtctaaatc acagggtatcc 360
tccattgtag gctgtttgag ccaaatagga ctactatatg c 401

<210> 23561
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23561

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gtggttagagt ctatttcac cctaaagtat tccaaatatt agaaattata ataagtagta 120
ttcttttaag tactaaaatc aggttatatt taaactgaaa acagagaatg aagctctcaa 180
ggaagaactt gcaaaggcaa acgattacga ttataagttg tacatcgagt aattaaattt 240
catgagcaat taaattccga aacaaattgc tagattaata acgaaaacaa aaaataaaaa 300
tctagggcac gcctctaattg gaatgtagag atacgatgaa ggaagaaaga tacgaaacta 360
atagaatgac taangattaa tctaatagat ataacacc 398

<210> 23562
<211> 396
<212> DNA
<213> Glycine max

<400> 23562

gatttagtct tggtttcact tttgttatta gtctattaat tcaagaaaac tttcaaagag 60
gaacgtccga ttgatttctt tgattatttt attcaaagat attttgatta ttttattatt 120
atttttttaa gatattttga ttattttatt attattttgc ttttttttgt ttaaccgagg 180
ttacagcatg aacgatcggg tggattttat tttaacagtg attaaacgag attacaacac 240
aaatgatcgg ttgaaattca ttttatcatt tattaggcga gataacgact taaataaatg 300
tttaaagcac gttaaaaacg gaagaaaaga aaattggaag taagcgaaat taaggtgaaa 360
gttcacaaaa caagttggga ccactaaggg tgcata 396

<210> 23563
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 23563

agctctaagc aaattcaaac gacaataact ttttactcgg atgtctgatt gagtcccgta 60
 atatatcaag acgctcgaaa ttgaatgttg aacctatgag ccaattcaaa cgacaataac 120
 tatttaatcg gatgtctgat tgagtcccg taaatatoga gagctcgaa attgaatgtt 180
 gaagcttttag gcaaattcaa acgacaataa ctttatactc ggatgtctaa ttgagtcccg 240
 taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca aacgacaata 300
 acttggtact cggatgtctg attgagtccc ataatatatc gagacgctcg anattgaatg 360
 ttgaacctct gaacca 376

<210> 23564
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 23564
 ttacagcaga ttttagtaat gacctactaa cctagatata aaataactta atgccattaa 60
 cctaggggaat taaaacaaac ttaatggctg agtgtaactg aaattgtggc aacccaaaagt 120
 ccccccaac agccaacaag tcagccacca tttggtctcc caaaaggctg atgcctaggt 180
 tgccaattgg gcccttatta caacttgaac taaagctaac taaagccctt ttagttgatt 240
 aacccaaaac atatttttgg tcagccaact ttacaaggat tggggcatta tttagacaaa 300
 ctaaactc taaaattgaa acaaagtggg gtcatttagt cctcctccat ttggggccatg 360
 atacaactca cagacctgga cttttctcct tgaaa 395

<210> 23565
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 23565
 agcttgtagg tatttgggaa gtatgttgta tgactcttcc caattaccat atacctgctt 60
 gagggcccat tgttttgcta gtcatgcttt acgatatgtg atggtctatc caaactcttg 120
 tccaacgaat gtgatgaatg taggaatggt agttgctcat tttcttcaac catcgcaagg 180

atatttttgc ctacaagttt caattccatc ttattgtgat cttgtgaaat ggtcggcata 240
acgcatgtgt gagggccctt tatcattcta atttccaaa ctttttagatt ttttctttca 300
aacgctctaa gtttccattg acaccctca attgggaaac ataagacca tgtatccttt 360
gcacacctct tgtgtatgaa agtg 384

<210> 23566
<211> 367
<212> DNA
<213> Glycine max

<400> 23566

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ttggcttgcc ttgcatatct cgcatttttt ttttcaattt gagccttcac ttgctcatgc 120
tacttcttca tatactcagc tttaacctga gcacccctat gcttaatcat agcaatgttc 180
ggcactatct tctaataaag aggagtcaaa tgcattgatg catacactat ctcaaaggc 240
gaacaattaa ttgtgctatg gacagcccgat ttatatcaaa ctcaacatga ggcaaacaag 300
cgttccaaga tttaagattt tcctttaata cactcctaag aggtgtgcct aaagttctat 360
tgactac 367

<210> 23567
<211> 310
<212> DNA
<213> Glycine max

<400> 23567

agtttctatt ttaatagact taccttgaat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120
atatacctaa ggaatttttg agcttttgaa ttgggttggg aataagtgtg ggggggtttt 180
gtttcattgg acaacttggt ttgttggtga tgcttcattga tgtattgtgg gccatacttg 240
atgtacattg tatatcggtt aaatgttgga catgctgaat gatatgttgt ttctcaaagg 300
ctaaagagtt 310

<210> 23568
<211> 404
<212> DNA

<213> Glycine max

<400> 23568

gaatactccc gctcgtggac tataccttcg accaaactct gctgtgtttc tgtctcggtc 60
cggatttaat gctgtttgca acaccggctc tgcttcccta accggactgg aggcggttgc 120
cgaggcttta tcctctatgg atttctagag ctttgacatg acctccgaga tggaagccat 180
ttgatctttt aaagccaatg gatcggcctc tatgccttgc tgcacgacct actcattatc 240
cattcttgtc gttaaacaga ttgatgggtg ccttgatgag ctcttagtat catgaacctc 300
ctaaagaaat aaactacgga gaatatgcct ccaaaacatg agtatgcaaa tggatgatca 360
gaacacttgg atccaccac aggtttttat ataacatgat gagt 404

<210> 23569

<211> 379

<212> DNA

<213> Glycine max

<400> 23569

agtttatccc gactatccaa attctcatta atccatcacc cctagctcgt tgagaaaaaa 60
actaacaggt aactagaaca aagatcatgc catatgggaa caacacaatt ggaatctcac 120
aaaatatgaa actgtgcctc aacagcctgg ccacacaaag ggcaaaatca cttatcatca 180
tatattgatc aaaccaaaag ctatttgtca gaagacctcc atgtaaaact ttctagagga 240
agcatccatc acgagaatgg gatatgggtt tccaaatctt cctccaagta tcaactataac 300
ccccccccc ccctcacgag acttattcaa cagggtcaaaa gtcatttttt gtggtgaata 360
cccatcaaa aaagtaatt 379

<210> 23570

<211> 393

<212> DNA

<213> Glycine max

<400> 23570

tgcatgattt acatctccct ctttctcaag caaattcttc ttgatatcat caaaattctt 60
catgatttac attgaatgtg aatgtatgta tacatgattt tgatgatgtc aaagaagaat 120
ctaacaaggc tgcttcaaat gataagcatt tgcttcaaga ataattcaag attgcttcaa 180

caaacaaagc cttgtttcaa gattcactaa agaccaagcc ttgccttaaa acaaagtgc 240
 ttcaagacat gcaaggctct ggtaatcgat taccaggaag tgtaatcgat taccagaaga 300
 cagggttgag aaatagctgt tgaaaaaggt tttgaatttg aattttcaac atgtaatgga 360
 ttaccatatg tctgtaatcg attaccagca acg 393

<210> 23571
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23571
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 ttacctacaa caataaaagg tcgaaacgat ttggaggtaa cactagttaa ttatgggtat 120
 ggcatctatg atccatgtga ttcatggct gaagtcaatg tgagatttcc atttgtaatg 180
 ttaggagaaa tatttttaaaa ataatagcat gccacataat taatgtcagg tagttgacaa 240
 caggaaaaga agagagaaat aatctagagc ttcaaactct tggccggcca aaatgtttct 300
 ttgttgagct gattacgtta gtgatgttca tatacttgta ctatatttat gttgagcaaa 360
 tcaaccgtta gatacattgg ctgcatatag agtacc 396

<210> 23572
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 23572
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 aaggacaagc agttccgttt gctgggaaat ggcaccgttt tacagtcagg aatgacggag 120
 agaaggtggg cccagaacca catggtgacg ccgaacaaac agaaacctgt gaatcagagg 180
 tgatgatccc ttttgcagtg gaaaggacag tttacgtttt cgggtggacct ctgccagacc 240
 aagagtcact ttcgagttca atgaacaaag tatttccttg ctaccaact tgccaacct 300
 tgatttttga tagtgagcct tacaacttca attgtttaag caaacccac aaactctttc 360
 gatccgcccg gtcaatagcc cataaggatt acctaccctg gcttgatc 408

<210> 23573

<211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23573

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 gcttagctac acacccccta taatagctaa gctcacccca tgagaaaaaa catgaaaata 120
 acaaaaaaaaa gtccttatta caaagacagc tcataatgcc ccgaaataca aggctaaaac 180
 cctatactac tagaatggcc aaaatacaag gcctagacga aggaaaaacc tattctaata 240
 ttacaaaga taagcgggct catacttagc ccatgggctc gaaatctacc ctaagggtca 300
 tgagaaccct anggcctttc cttggatctc tagcccaatc tacttggagt cttctagcca 360
 atgcccttac ggggtaggat tgcataagt agc 393

<210> 23574
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 23574

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 cttccccata tcaactatac agcttgcggt caacacgaat ggccttccca atattacagg 120
 gatgttagta tcttcggaga tatccattac cacaaagtct gtcgggaaga taaaatgttt 180
 tactctgacc aaaacatctt caattactcc atatggcttg gtaatggagt agtcagctaa 240
 ttgtaaagtc attcgagtgg gcattatttc caactctccc aatcttctgc acatgtagag 300
 tgacatcaaa ttgatactga ctcccaggtc aataagagct tttcccacat tgacttctcc 360
 aattgaacaa ggaatagtta cactctgagg attattatgc ttgggtggaa ggatcttcta 420

<210> 23575
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23575

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taggacctga cagaacatgg gtggtgaatg gccaaagatt gaaactatac catggtggag 120
 agtntggaaa ggaaaacacc atcttaaatt tgatatcacc caactctgat ttctttcatt 180
 gtgtttttca tgcattgcat aagttggaat ttgctttatg atcattgaaa aaggggtata 240
 tcagcttata ctaagttata gatattgggg tttgatctat atgttttgag aaaatggact 300
 gaaattaact taaaaacatt ttcttgaaaa tagtccactc gctaagcgca tatcacacgc 360
 tgagcgcatc tcctccatgc gctaaac 387

<210> 23576
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23576

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 agacccaag tagaatgggc caaagatgca agagaaggcc ctagggttct tatgagcctt 120
 agggtagatt ttgggcccat gggctaagta cgagcccact tatctttgta aatattagat 180
 taaggtttca ttatttttgg gccttgtatt tagggctcca taatgtaggt agggtagcct 240
 agaaatatag gatttttcag cccttgtatt ttagggcacc tagactagtt tttgtattag 300
 gggtagtttt gtaatttcac atgcactaag tggatatttg atgtgtgtgg gtggaaataa 360
 atttaattga attggcagaa gccaatcca attaaatttt agagaggggag gtgagcat 418

<210> 23577
 <211> 322
 <212> DNA
 <213> Glycine max
 <400> 23577

agtctgagct ggatggtcac tttcccaaac atatatttgc tcttagatcc aaatccatca 60
 cctgcagtgt tcaaaataat gtcacatata tagctgaaaa ataacacatt ctgcaaggct 120
 gtcaaatgga ctaacaataa tctgatctaa cataaaaaaa gtgcaaaatt agacataaag 180
 ggctattaac aaataacatt actaaaaatg cttcaaaggt aagaacatta tgcaaatgcc 240
 acaaccttgt atcatgacaa ggcaagaaag tttgagattt ggaatgatca attaccagaa 300
 tagttatcaa gtttgagttt ga 322

<210> 23578
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 23578

tgcttgtttg tgtacacatg taacatgcat tgagatTTTT gtacaatata gtatattaat 60
 cattctgcaa taattgagat gatgttttcg tagatcatat ttcacaattt agaacttcta 120
 agccaagcaa taatcctcta aatactatgt acatcctttt cgcacctacg cttacacggc 180
 ccaattaagc cataattgat ctaggagtcg attatcatat cacgggtcca ttgtgtcata 240
 attgatcttg aagtctatta tcataccata attgtggcag aggtcctatt tcagttataa 300
 aaactctctg ggggtcatatc tttcatg 327

<210> 23579
 <211> 154
 <212> DNA
 <213> Glycine max

<400> 23579

agcttattgt cctacatatt taatctcact tacacttcac caccogaata gagaaaagaa 60
 ttaattctaa ggcataTTTT ttttttcact ctcaaattaa tgcacatgaa cacctacttt 120
 gaagccacca catttcaacc aatgccaccc acca 154

<210> 23580
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 23580

gacatattgt gtactcctcg gccatTTTT aaccaatca cttgagacaa gcatgcgggc 60
 gagcctactt tttgaatgat cattcacctt ataccaagtg aacttccttc ccaccatagg 120
 tatgtcctcc acctccatat cccaataaa tttgttaaatt gcctccatat cccaataaa 180
 tttgttaaatt gcctccatat ccttcctcc catcaaattt cttgagtctc ttctttcttg 240
 tgttgtccat gccgaactaa aatcacccat tagacaccaa accccactct tgccatttat 300
 tcttgagttc aacaattttc tcccaaaggc tcttggtacg ttcgtttcat gacatcaagg 360

tgccac

366

<210> 23581
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23581

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taattatgac ctctcaagca atagatacaa tccagggttg aggaatcata caaatctgag 120
atggacaagt cctccacaac aacaacaacc tatccctcca ttfcagaatg ctgctggtcc 180
aagcaagcca tatgttcctc ctccaatata tcagcagcaa cgacaatagt cataacaaag 240
acaacaagca actgagggtc ctctgaacc ttccttagat gagttagtga gacaaatgac 300
catccagaat atgcaatttc agcaagagac aagagcctnc attcagagtc tgacaaatca 360
gatggggcag atgactactt agat 384

<210> 23582
<211> 391
<212> DNA
<213> Glycine max

<400> 23582

tctatcacat gcactctctt ggtgttgaag ctcttcttc catggcttat tccctagtgg 60
atgacgcttc ctctctctc ttgtccatta tcttcgctg catctccatg gaggaaagcc 120
accattgagg gacctcattg aagctcaaag atccagccta catagaagct tacatcaagc 180
ggtaatcaga gcacaaaagc ttttaagtagg tgctccttaa acctccatta atttttggct 240
ttaccttctc ctccattgtc gatccttcat ttttctccat gcctctctc acatgtcttc 300
tgctaaatgg tgtaacagt gattctttac aatttcacc aagtaaactt gctatagaag 360
ctgaatttga agttctacag gtcaaattta t 391

<210> 23583
<211> 322
<212> DNA
<213> Glycine max

<400> 23583

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tgtagcacat ggtcaaataa ttaatatgca cgctattcat caatataaca gcaaaacatc 120
atztataggt taccagtgtt gcaggctcctt aagaaagtgt atatttaca catgcaaadc 180
aaacatatat atcgacaatg tacgtagcat ataaaatgct acagattcca ttcaacaag 240
gtactaatac agagaagtca gatagctata tatctttaga tgcaagttca agaattgtgat 300
atctgtactt cggatcatgtg ta 322

<210> 23584

<211> 383

<212> DNA

<213> Glycine max

<400> 23584

cgagataata tgaagtttgt gatcttagaa cctatctcca gcttactctt tcccatatca 60
actatacagc ttgcggtcaa cacgaatggc cttccaata ttacagggat ggtaatatct 120
tcggagatat ccattaccac acagtctgtc gggaagataa catgttctac tctgaccaa 180
acatcttcaa ttactccata tggcttggtat atggagtagt gcgctaattc gtaagtcatt 240
cgagtgggca ttatctccta ctttgagcat cttctgcaca tgggtgagaga catctaata 300
atactgactc ctaaggcaat aaaagctgtt ccccttgac ttctccatat gaacaacgag 360
tactaagact ctgaggatta tta 383

<210> 23585

<211> 355

<212> DNA

<213> Glycine max

<400> 23585

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aatcaaggtc taagagacca tacaagtttc ctaacgattt ctaattatgt gggccattaa 120
gtctatcata tgctgacaat agctgagaag cccatgaatc tottcagggg cggagtatgt 180
gtctgtcatc gtcttggcct tggctaaca tgggggaagt tottgactcc cgttcaagg 240
aagagcagac cgatccatcc acatgggttc ctctaggtgt aaagagtcga tcacccttcc 300

tctagcctct gtttacgcat atacttgagt gaacatctga tactggggga caaat 355

<210> 23586
<211> 409
<212> DNA
<213> Glycine max

<400> 23586

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atcatcctac tatgacgact gagaaaactg gggcatatga agaggggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgt 180
cattactcgg tcaataacaa acctcctcct taccacccac ccagttatcc acaaaggcca 240
tccttaaadc aaccacaaag cctgtctacc gcactttcaa tgacgaatac cacctttagc 300
acaaaccaa aaaacaccaa caaaaaggaa ttttgcagca gaaggcctgt aagggttcacc 360
ccaaattccg tggatcatatg ctaaacttga tcccatatcc actcaatat 409

<210> 23587
<211> 381
<212> DNA
<213> Glycine max

<400> 23587

agtttgcact atccagtgat ggaatgaatc catatggcaa tttaagcact taacacaatt 60
catggccaat tctactagta atttacaatt ttcctccttg gttgtgcatg cagtgaaaat 120
acatgatgtt ttcgatgatg atatcaggcc caagacagcc aggaaatgac attgatgttt 180
atctaagtcc gttgattgaa ggccctgagaa agctgtggga cgaggggggtt ttagtggtttg 240
atgggtttca gaatgagact tttctaatac atgcaatgct tttttgtaca attaatact 300
ttccagcata taggaatttg agcagttaca gtgttaaggg tcatcatgca tgccccatct 360
gtgaagaaga cacaagctac a 381

<210> 23588
<211> 407
<212> DNA
<213> Glycine max

<400> 23588

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 tagaaggggg taaagacaat atattactac aattatatga aattgagtag gtaatactaa 120
 gaatagaata ttagtagcat gaccgaaaat aaaatagccg ttgtgtcaaa taacataaca 180
 attgtctcaa atacaggaaa aaaaatactc caacgccatc attagccgtt atgacttatt 240
 gctgtcttta aaaaaaatgt tgcccatttc ttctgaattg tggatgatgat gccgatgtcc 300
 aacggtgtgt cattagcaaa ccaactgcaag tattcataat tgtaagttag tactgcaaat 360
 ataaaaagtc agttccaatt gtactgaagt ttatgcatac catggac 407

<210> 23589
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23589

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 cgaagagggt tcttttggtt tcaaccattt tctgctttta gcttcaaaag gatcatcata 120
 gatgatagcc agtccttct gcaatgctga ttctatgttt tcagtaagtt ttttaaaacta 180
 aaatttagta ccatttgtct attttggtct ttcaagtgtt atcttggtgt cacacttttc 240
 atgaaggcta ttagtgaatg gactttctca atgttggtct tgtgcttgga tggatgtcatg 300
 ggaaattctg agaantgtg ttcaaaattg atgttggttc aactatttaa tctcatccc 360
 tgactccaa ttccta 376

<210> 23590
 <211> 399
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23590

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 gttttatctt tccccataat ctcatcagga agtgcaagaa aatcattcag gaactgacaa 120
 aaattataat ttttagaagt gtttagctac cataaattga agatttttat ctttgaaact 180
 aacttatcta acacgcttca tgtgtttcat agaccaattt tacaatatta tctaatatgg 240

acatcaaadc ttattggagt attgacaatt gacacgtatg atttagtcac ttattttattt 300
 tactaaattt tgtaaatgaa ttattttttg aatttatagt tttaaattatt ttatatgaag 360
 attaagataa tgatgattca ttttaattaa tttcatttt 399

<210> 23591
 <211> 377
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23591

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 gaccttcaat ccttatgaca caacgtggcg gacaaaagtg gacagttaac ttaaatgacc 120
 attattgtca atgcggaaag tattctgcac ttcactatct atgttcacac attatcactg 180
 cttgtggtta cgtgagcctg aattacttgc aatatgtaga tgttggtttac acaaatgagc 240
 acatcttgaa agcttactcc gcataatgat gacctcttgg gaataaagcg gcaattcctc 300
 attntgatga cgcattggaca cttattcttg attcaactac aattcgtgcg aaagatcaac 360
 caaaatcaac aagttta 377

<210> 23592
 <211> 402
 <212> DNA
 <213> Glycine max
 <400> 23592

caccttctaa actttatata agaattaagc tctgatacca cttgttagac aagtggcctc 60
 agatatctta agaagggggg attgaattaa gatattccaa actacttgcc ctaattaaaa 120
 atctatttca ctttttattc aagttatgaa ttcccttaat gacaatcttc ttaaatatta 180
 attcaaataa cacaatttga atatgaatat aaagcaataa taaataaagg agattaaggg 240
 aagagaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300
 tccccaaagca acccgcttga gagttccact atcttgtaaa ttcccttttac aagtgtctaa 360
 acacgcaagg acaatccttc ctttgtgtgt agaattcctt ta 402

<210> 23593
 <211> 375

<212> DNA
<213> Glycine max

<400> 23593

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caaggctctga aagaccatac aagtattcta gcgatttcta attatgtggg ccattaagtc 120
tatcatatac tgactatagc cgagaagccc atgaatttct ttgggggagg agtaggtgtc 180
cgccattgcc ttggccttgg ctaacaatcg gggaaagtct tgactcccgt tcaagggtatg 240
agcaaaccga tccatccaca tggttgcctc ttggtgtaaa gagtcaatca cccttcctct 300
agcctctatt tccgcctata ctagggcata ctcggtgcgcg accctattct cgtggggcgt 360
ggctagacct aactc 375

<210> 23594
<211> 334
<212> DNA
<213> Glycine max

<400> 23594

accctcacgt cctccattct tgcattctct gacaaaacct atacttcttt attgtcttgt 60
tcctttctgg tacaatgaaa atctttgtta ccttcccca ttttttaaaa acaagcaata 120
gatcctccaa atttttttct aaaaaatcaa taaaatagta atcggtgata tcctccctcg 180
tcttgatga tcacagagcc ttgtccctct acgatgattc tctatctaaa ctactttctc 240
tctccaagct gtctttctac tttatctgca ccttgtcatt cgatctctct gcaatataaa 300
cttatttaag ttactagaat ttgctaata gcta 334

<210> 23595
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23595

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taaccgtagc atgcaatctt gnaggatnat gttgtaccca tcacatgtgg aactaagtgg 120
ctgctaaacg atagtgcaca acaagcattt cacaatccat aatcgcacat atacctccac 180

tccactgctg cccaccttca actgaaacac acgtacttcc acgatatcta tatcatcggt 240
tctttaagca cctggactcc tgcaaccctc atctgctacc cacacatcca agtaacttga 300
tatatcgaca tctcatacca tatcgctcat ataatatggc atatgccaat aactataccc 360
agatcccaac caatatcaca attatgctca ctatacctcc atcatcattt cttcgatcat 420
tcaggaccat tgatacatac caatataaca ggacacacta tcc 463

<210> 23596
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23596

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tatctagtca aggtctgaga gaccatacaa gtttcctaac gattttctaata tatgtggggc 120
attaagtcta tcatatgctg acaatagccg agaagcccat gaatctcttc gggggcggag 180
taggtgtcca ccatcgctt ggccttggct aacaagcggg gaagttcttg actcccgctc 240
aaggtaagag caaaccgatc catccacatg gttgcctctt ggtgtaaaga gtcgatcacc 300
cttcctctag cctctttttc tgcgtatact tgagcatact cgaccgcgat cctatgctcg 360
tgggccgtgg ctagacctaa cttttcaggt tcttggcgat gaagctagca tggttggtct 419

<210> 23597
<211> 372
<212> DNA
<213> Glycine max

<400> 23597

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tgtctctttg cgagaggcac cattgtgata caatttgact gaacatgcat tctcacctaa 120
cttttagtct actttattgc tgccattcta cattcataga tcttattcaa agaaatgata 180
tcgcatggca tgataaatta atcattagat acggatttac caaggaatca attttcttaa 240
cgggaaaagc aatgggtatt atatctaata tggaaacctc ttcaacaata aaatttatag 300
atgagcttta cccaagatct agcatttaca gaatggcgag aaattgtcgt atagatgcc 360
gagtatgaca tg 372

<210> 23598
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 23598

actcccgctt gtcggcgctac ctgaagatgc tattacgctc ggcccttttt cattttcttt 60
 agctggggag gctgagagat ggttgcatc attcaagggc aacagtggaa agacctggga 120
 tgaagttgat gacaagttcc taaaaaata tttcccacag tctataaaaa tattttgagt 180
 gaggcattac aaagatttcg tatcttgctg tggaaaactc ccaactcatgg tttttcagag 240
 cctatacagt tggacatctt cattgatggg ttacgactgc agtcaaagca tatactcgac 300
 acttctgcag gaagaaaaat taagttgaaa acacctgaac aagccatgta aaccttatct 360
 tacttgacac ttattaaatt gccaacagga tgcgtgctat ctta 404

<210> 23599
 <211> 311
 <212> DNA
 <213> Glycine max

<400> 23599

atcttgtctt cagtatttct ttgtcgctag taacagaata ttacaaagtg acggctttct 60
 gagtggagcg cttgatttcg tgtggtgggt caacttcag tctcgatatt gttcattctt 120
 ctctcgtcga ttgagaaggc tcagctgcag agacagtggg ggtgggacgg ttatagcttt 180
 tttgcccatt tattgttgct gaaatggttc agatcggctc gacaatgctt cattgggtctc 240
 tactttatat aatcttatca atattattgt ttggatcaga tgtgacatat ttgcctcact 300
 catatcactt t 311

<210> 23600
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 23600

tctgatccca cacccttc cccattaact gattataaac ccccttatgg tggacggaac 60
 cagacataac atcccccatg attatcaagt aaaccaccaa aacaccagca ttgttgacaa 120

tgaatcaaat ttcagacaaa atcctggcag gccttcccat aacatgttga acaacctcac 180
cataggagga tgccttacac aaaacagaaa acctcaccaa caattcgacg ctaatttcag 240
acaaaattcc cataagaacg atcaaaacaa tccccaaaac cacacctaga actttcatag 300
tggcagggag ggccataatc cctgccccga taacagtggg tggttaaattg aaaacagccc 360
caggtatccc agaaagggtga ttgcgcccc aacaataag gtgattacta tcga 414

<210> 23601
<211> 382
<212> DNA
<213> Glycine max

<400> 23601

agcttctcca actgtttgtg ttggtgatcc ttcttctcaa tgtgaaacat cccagcctac 60
catgtgagcc aaattttacg acgatttctt tttatcacca cagctgattt atgaagggaa 120
atggccaagg ttaatttatg gggtagaaat aatgattcag ttctattcag ccgaattttt 180
attttgatac tattgcta atgtcattat gatttttcta ggtccacaga aattcctgtc 240
ttagattcag gaattactga taccttgcac gactcaccct tgctgacata tccgggcaac 300
ctaattgaaa gtaaccatga gtctacttct tcacttgagg aactacact tgacaaacta 360
acacctgatt ccagagcgat ag 382

<210> 23602
<211> 403
<212> DNA
<213> Glycine max

<400> 23602

tgtcactag ctcttcactt tcatttgctt ttgacctgtg tacatcaaca cactttattc 60
ttttattttc ttttttttaa catacaactt gtgtgtgtgtg tgtgttgatg ctttctctct 120
ttctttgcat cccaattagt tccactcccc caaatttggg gtaaatttgc tttgaactat 180
atgctctcct agaatctaaa caaggatca tgagataatt atttaagttc agggttcaat 240
ttatgacaaa atcattcagc tcaaaaaggg tgcaaaggat ataattatca ttcaaggtaa 300
gcttttttggg caaaaggctt gtgtatgtac gatcatggcc ttcacatgt tctcgtctat 360
acatttcatt gtaaatttag agattcatgc aaagatatta ctc 403

<210> 23603
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 23603

atcttgaact ttaactacat caagtttatg tgatcaaata ttccacgcc aacatgactc 60
 atcaatttta acaataaaat catgacattt cactatatcc aacttcttat gaaaattgta 120
 tccaatcatt tcaaccttat tcattattgt ttcatgttca tcaaatagata aaacatattt 180
 tcgaaagaga ctacatgtat atttctcaac actaagaaaa ttttgatcta gtttccaaac 240
 ataaataaca tctttgacaa ttatcttacc ttagaatata taaaaattac ctctttttct 300
 ttggcttgca caatgtcacc atatactaac ttgacttttag gttgaattga tcccatgaag 360
 attacaattg aaagaca 377

<210> 23604
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 23604

gctagagcga atgcttctat agacgttatt ccaagtccaa tttagggtca tcggcgcttg 60
 attctttggg ccgcatctat atgatttcga catctctcca tgggtgctgcg agctcacaca 120
 cctcgccatt gctggtgcgc aatatcacct ggattaacct acattggctg gtcagaatgt 180
 ccccgagtgc attattaccg gtgagcaact ctttgattat taagggacat ttg 233

<210> 23605
 <211> 318
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23605

agaatgatct caagaatgag tcaacaagtt caagatcaag attaaagaaa agacatcaag 60
 aagaatcaag attcaagaga agatgaattc aagattcaag agaagaaacc aaaaagcaac 120
 aagttaagac ttcacaaggg aagtattgaa aaagatattt caaaaaccaa acatagcaca 180

antttatttt acaagaaaag tttttccaaa tntttctaag ttaccagagt atttactctc 240
tagtaatcaa ttatcaatta cctgtaatcg ataatcgatt acaatatttt ggtaatcgat 300
taccagtgta tctgaacg 318

<210> 23606
<211> 402
<212> DNA
<213> Glycine max

<400> 23606
atctcctttt agtagggaat ctatccttct aagatagagc caaaccagc ctccctcatt 60
aagaactagc tcatttcttc ctttattgcc tttagttgaa tacacctttg tttggttctc 120
tattgtagaa gcaaggcttc atggtgaatg tgattcaaag gtgttttgat gataacaatg 180
atgacaacaa aagataatga caaaggatg gaacaaaagg ctcaaagatc aaagaacaac 240
tcaagtgaat caaagaacat ctcaagtga tcaagaacaa gtcaagagtt caagaatcaa 300
gaagaattca agactcaaga agaaagccta gaatcaagat tcaagattca agatctaaag 360
aatcaagatc aagattcaag actcaagatt caagaatgaa ga 402

<210> 23607
<211> 368
<212> DNA
<213> Glycine max

<400> 23607
agtttgagga ggctagtttt ttggtggaga gtgaattgaa catgaagata gatttgaaag 60
agcaattttg gatattggca aggaggaatg agtcatttct aagacaaaaa tctagatcta 120
gatggttagt ggaaggagac aacaactcaa tattcttcca tgggtactatt aattggagga 180
gaaggaaaaa tctacatagg ggtctacata ttgatgggat ttaggaggtg gatcctaaga 240
aagtaaaatg ggaggtgaag aatttctttc aaaaaatatt cttggtggag gatttggatc 300
ggccaaagct tgatgggaca agattaaaac atatctctca acaacaatat gagagtttca 360
tcgcaaga 368

<210> 23608
<211> 368
<212> DNA

<213> Glycine max

<400> 23608

atTTTTggag aaaaagaatg attgtaggga acatgagtgt ttcggtaact ttttacactt 60
aataaattct gttgtgagtc aaattgattt tgactgaatt ttttttagct gttttgctaa 120
atagattctt tgtgtgggac cctaacaaaa atattctata tttgcacgcc aagagtaatt 180
gtatTTTTTT catcccaaatt attcaattct tctgaattca tttttaaaat atcattcggt 240
atcacaaata aatTTTTTaa ccttaatttt tccaaaaatc aattgtttca acattacttg 300
taacacaatt gagatcaaatt caccctttat atgctttctc aaataataaa ttttgттаат 360
aactacct 368

<210> 23609

<211> 395

<212> DNA

<213> Glycine max

<400> 23609

agtcttacia caaactatgt attgtagaac ttcattacta ttattcagaa tatactgtag 60
caacctaccc ttcggcgagg gggtagacgc tgactcgagg gtgctgtgtc caagaaagga 120
atacgcatgg agtcaccacc aacgtttatt tgaggaaaac gtcggaaaaa atatgaaaag 180
atgtgatcta cgaactttaa atgaaaagct tcgggagttg tatttacgca cggggaaggt 240
atcagcacc cactgtgtctg tcacaagata cggcagcctt taataaaatg tgaaaacatg 300
acttcaatat ttatgttccc ttttacgtct gtatttcttt ttataccttt tatatttctt 360
atctttctgc ggtcgacgag ggtgtctccc ttgct 395

<210> 23610

<211> 363

<212> DNA

<213> Glycine max

<400> 23610

gctcttgctg cctaagtgtg gacctcttag ggctatttcc attctcctct tttttcggag 60
cctcatgaat gtcattgcct aacactgttc atgtgtcctc caccttcgag tctggagccc 120
cgcgaaatgc atcgctaac actgatcgcc aattctccat tccccactat cattcggagc 180

cccatgaatg tcattgccta gcgctgttca tgtgtcctcc accttcaagt ttggagctat 240
gcttcatgat tgcctaaatg tggaccctca agtgcaatcc tccattctcc acttttttcg 300
gagcccatg aatgtcattg cctaccgcta ttcatgtgtc ctccaccttc gagtacggag 360
ccc 363

<210> 23611
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23611

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ttaccctcgg aagcaaaaaa aaagaagaga aggaaaattt ccaatcaaag gaaaaaggag 120
aaggaaaatt tccaatcaaa ggaaaggaaa ttcccaatca aagagtggga gaaagcaaaa 180
agaaaagaaa gaaaattccc aatcaaagaa tgggagaaag aaaaaaagag aagtaaaaaa 240
gaagaaagct cctgggtcaaa gaaaccagaa gaaatgtgcc gagaggctct tggactagac 300
gatatctgaa caatacagaa ttgtcaccaa atgaacaaaa gaaagaaaag gaaaccatga 360
cctanaagtg gtcttctccc ttngattacc aaccaaaa 398

<210> 23612
<211> 415
<212> DNA
<213> Glycine max

<400> 23612

taaacattca attccgagcg tctcgatata ttacggtact caatcaaaca tccgagaaaa 60
aagttattgt cgtttgaatt tgctcagagg ttcaacgttc aatttcgagc gtctcgatat 120
attacgggac tcaatcagaa atccgagtaa aaagttattg tcgtttgaat tggcacagag 180
cttgaacatt caagttcgag cgtctcaata tatgacggaa ctcaatcaga catccgagta 240
aaacattatt gtcgtttgaa ttgggtcata ggttgaacat tcaatttcga gcgtctcgat 300
atattacggg actcaattag acatccgagt aaaaagttat tgtcctttga attggatcag 360
aggttatcca ttcaatttgg agcgtctcga tatattacgg gactcaatca gacat 415

<210> 23613
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23613

agcttgtagt gcagctccag atttcataat tggctcacca acaggatgat agtcacagcc 60
 tgcttcaagg atttgcttac cagatgacag taaagttgga actttgtcat gacgaacctg 120
 cttctgattc tcttttaact caaaatcatt agcataagga agattagtat gtccattaaa 180
 ataaccattg tttattgcg aagcgtcaag aagtgggtta aagaactgaa aaataaaacc 240
 agctgccaaa cttgaacggt aagtgggttt tgagggtatca tctttaggta caatagtggc 300
 tgtaaccaag atgacagcat cgtatagaat gctagcactt aaaagctntc cagctaanaa 360
 ctctcaaca tattttgctc tgattgcatg cttactccg 399

<210> 23614
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23614

tgtggtttgt tggatttgct ttgctagtgc gagaaatggg atgagggttac cttgtgccat 60
 gagaggtacc atcacgatgt ggcctttggt tgggtgtctct gccattggag cgagctcgat 120
 cgaggaatga tgtgctacac cctgcgctgt ctgtggtaca agaacactat actcaactct 180
 tgttgtcttg gtttctgcta agaagtgtac aaaagaagta gcaaagagac agagatgatg 240
 aagtaacgtg aaactcttgt tgtcttggtt tctgataaga agagtgcaa taaagcaaaa 300
 agagccaaaa aagcaatctg aatcactgca ctcaactacc tatgcatgtt gaaccagacc 360
 aggttttcga tgctgcggga cctgactacc caagaaggga aagatnagtc ata 413

<210> 23615
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 23615

tccttaacgg gtacgactgt tggagagcga atttagactt ggcacgtcaa aattggtctt 60

gagattagaa attatggctg ctaggctctt gacaacttat gatgacgctt gaaggaataa 120
 atacacatgg aggttatgaa aattgatata tcaaagacga atcataactc atccctattt 180
 tacgagatga ctctacctaa gttagctaata aaccttaggg attactctat agaaaattct 240
 cttcaatgac 250

<210> 23616
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 23616

ggcgggcttt ttctaaaatt ttcattaggg aagtaaagt caagaatgat atttcagaag 60
 agatgttcta gaaaacaata ttgggcttat agaaatocca ctccaaaata agtacctgca 120
 ctccagaata ggctttcttc aaaggatttt tggtttcag aaatgtgttt cgaaaggctt 180
 atttgaaga caaatattcc agattctgga aaagggtgta ctttcagagt aggtgttcta 240
 gaaacctttt ttcggaaagg tcattctaga gaacaaataa gaaaggaggt gcagtgtgct 300
 gaaatggact tggcatgga 319

<210> 23617
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23617

agtttgcatt tggaaatgag aaagcccccc tccaccatta ggatttggtc ctgccatctc 60
 aaacaaacaa atcaaacgta acaagacaat tatagttggt gtttgaatac ctcacccact 120
 caagtgtatc acacaattat ggcttttctc caatgaaaca ctcttgccct ttaccactct 180
 aattccccct gagttcttag gcaattcaag agattatggc cacaacaaag aacaattcac 240
 caatatgtgt aaggtaaggc tagagagaca aggaaaagg taaccaagaa aaaggctaac 300
 aatgttttta ggcacaaatg aaggaaataa aattcagaat ttaggaattc aagtaacaat 360
 ccttcacgca accaatatat tacct 385

<210> 23618
 <211> 407

<212> DNA
<213> Glycine max

<400> 23618

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tgaggatcaa aatcttttct ctctttttct ctcaactatt cttcattctt attcttttca 60
cttttgttct tcctttttac ttgcaaaaat tttgtggctt ttacactggg gatgattatg 120
gaaggataga cacttgatca atccaaggat tcaactccaag caaggctgaa tttgagttct 180
agtttagtat ttctaatctg tgtgaatgct catctttttc ttcaaacctt ttttttattt 240
tgatgattat gaatatgatt aggatagaaa atgaattatt ttagggattc ctttcctaatt 300
ttcaacttta atcacagatt gtttggatga tatttcaacc taatttgcca tctcaatgaa 360
tttatggatt aattcgattg aaacaactct aatgatattg attgaac 407
```

<210> 23619
<211> 382
<212> DNA
<213> Glycine max

<400> 23619

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agctttgcat accccaagga tccattagga aattacttat gaaagagagc catgaggggtg 60
ggctcatggg ccactttggg atagacaaga cccttgtctt actcaaagaa aagttttatt 120
ggcccatat gaagaaagat gtccataagc attgcactag gtgtgtggct tgtttacaag 180
ccaagtctag ggtgatgcct catgggctat acacaccctt acccatcccc tctgtacctt 240
gggtagacat tagtatggac tttgtccttg ggcttcctag aacccaaaga ggtgtagact 300
ctatctttgt ggtggtggat aggttttagca agatggcaca cgttatacca tgccataagg 360
tggatgatgc ttccacatc tc 382
```

<210> 23620
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23620

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ctcagctnta tagtgccggg ctgggagact aaggtaagt gttcgcgata tgtgaagatg 60
atgttccaag tacttcggat ttggtccgac catgccttcc tgatttccag ctgggaaatt 120
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ggcgagtgga ggaacgcccc ggcattttacg caacaagcat aatgtaaacc tttacgggttt 180
 taaaagctct atagttgggc ctaggcttta gagttttcat tttgttaagg ctttgtgtct 240
 tttgtttttg aatttataat acaaggatct ttcttcatct gttcctgggc tctaccatt 300
 ctcattcatt tgcattgtta cttctttttc tgaaacggca gattcgatga cgagtcccc 360
 gaaggtacta atacctggga cccgtctatc aacttcgagc aagaaatg 408

<210> 23621
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 23621

agcttgggaa agatctaata gactcagcct aatgttcatg agaatgactg ttgcagacag 60
 tattaagaca gctctcccta aaaccaatag tgctaaagag tttatggggg tagtgggaga 120
 gcgctctcaa acagctgata agtctcttgc tgggacatta atgagtacac taaccacat 180
 gaagtttgat ggttcgcgta ctatgcatga acatgtcatt gagatgacaa acattgcagc 240
 aagacttaag accttgggaa tggctgtgaa tgagaacttc cttgttcagt ttattctaaa 300
 ctcattaccg tctgagtatg gcccgtttca tatgagctat aataccatga aagataaatg 360
 gaatgtgcat gaattgcaca gtatt 385

<210> 23622
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 23622

tcgtcgtcct gaggatgctt tttttcaaag aaacgattgc acatgtaatg gtggcattct 60
 tccacattat tggggatttg gagtagaatc acgaggaaca acctcaaaaa ttctgatcc 120
 ttttgctata gaacaaggta acccaacaaa aattaaaaat ggatatgagg agaaatgggt 180
 gctcaacatc atggtcattg atacacgtgg tgcacaagat aagaaagctt gcaactcaatg 240
 tagatgtgac cagatgaatc tcccgaagga cttttataat gtcacaaggg atatacataa 300
 ccaaaaattg actacaaatt ataaaggagg tctattttgt tgtcaggaca acttacaatg 360
 caagcaaata gaaggttttc aaggttcaag gagaatgggt 400

<210> 23623
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23623

agcttgactg gtctttaact caagaagaaa aaaatgcttt aatatttacc ttgttgatca 60
 ttttatccag catatactta tcaacttttta tcaattagta agccattttg attcctgtat 120
 acaatttgta ttctattctt tagtggtgac tcttgactca ttttttttat tctaattgta 180
 gttactccat tatactttctg ctttataaaa attctcatag atacattaat taaaaaaaaa 240
 agccaatgca ataccttaaa aaaaaaggca aaatgaaaag tcaagcaaaa aataaataaa 300
 aaaagattaa aagataagca atactacgac gggtattgta taaccgtctt agtatgttac 360
 acctacta 368

<210> 23624
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23624

taaagaatat actacataaa catattgcaa gtgtatttta gtctctcat attaagatga 60
 tttggcacia aaaacaattt ttccatttga tgatagaatg gattacactt tatatgttat 120
 atcactcgca cattttattta cattttccct cttctttccc aaaatatata ctaatatgca 180
 ctccaatggt gtgaaaatat cttctttttt tccagcaaaa caccgcatta tcaattatgc 240
 ttttaagttg aggccctgct ttttgtgctt gtgatgatat tatttggtgc ccactctagt 300
 ttattttacc taaactgtgc ttaactacat tgttgagctt tagccattcc ttaaccgttg 360
 gcataagctt aaaaaccaac agc 383

<210> 23625
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23625

agcttaataa agtccttggt gatccatatt atgtgtgtgt gtgtgcgcgc gcgtgtgtgt 60

gattgcattg aataagatga tgtgcaaagt tggggattat aacttcagac gaaataaatg 120
aaatacacat aactgaaaca cttgtgtgct tgagagaaac actagccttg ggaggagtga 180
agcatagttg atttttcttt gatacctgtc atgggggagt ttgataattt ctatgcttac 240
gtaatttgaa tatttaaatt acatagcaat tatctaattt tcttctattc tattgcttct 300
tttgtgttat aacattagga atctagcttc ttctgagttg ttgtctagta gatactaaag 360
ttagttaa 368

<210> 23626
<211> 220
<212> DNA
<213> Glycine max

<400> 23626

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cttccacatt attgtggaat tggagtctaa tcactaggaa caacctcaaa aattcctgat 120
ccttttgcta tagaacaagg tatcccaaca aaaattaaaa attgatatga ggagaaatgg 180
ttgtcatca ttatggcat tgatacacgt ggtgcacaag 220

<210> 23627
<211> 390
<212> DNA
<213> Glycine max

<400> 23627

agcttcttgt tattgagtaa ttattacatg ttctgaaacc accacatggt tatgattccg 60
gtcaattttc acgttagttg aagtttatta attttctagt ataaattgaa aatttaagtt 120
acgcattacg taaagattga ttatagacgc agttctagac aatacaataa tttccccact 180
attgtcact atcataaacc catcactcat tttttaatat ggaaatagag aattttaaag 240
gggttcacgt gagttacata caagggaaga tgtccaataa atgaaaggca aagaatgtgt 300
cacaagattc cccactttct accgagcata tgagagcaat attaggttca tgagagcaat 360
agtcttaaatt aattcaacaa tacacaaaag 390

<210> 23628
<211> 224
<212> DNA

<213> Glycine max

<400> 23628

caacacatgc acagtggcca aggatgcatg ggagatcctg aaaaccactc atgaaggaac 60
ctccaaagtg aagatgtcca gattgcaact attggccaca aaattcgaaa atctgaagat 120
gaaggaggaa gaatgtattc atgacttcca catgaacatt cttgaaattg ccaatgcttg 180
cactgccttg ggagaaagga tgacagatga aaagctggtg agaa 224

<210> 23629

<211> 401

<212> DNA

<213> Glycine max

<400> 23629

agctttcaac aagagtcttt acaaataacc atcatgaagc agagaactaa caaaactacc 60
catcatatct cccaaaaccc catacccacg aaatttaaga gagaaagaag tccacccaaa 120
cctgaaattt cgaagtccca ctcgtagcca cgcacttcac gactccaaaa atgccctcct 180
ttcgcgattt ggagcagaaa tgagcaccaa aggttgaagc tttgtttgga gcttcaatgg 240
agaatgaggg agaaagaaag gcaacgtgag gaagagagag agctatctga aaaaagtgtg 300
ggggctgagt gaagagagag aaaagctttt tggttataaa ataaaggggtg ttctctatgt 360
ctattatttt attcaagctc tgccatgtgt ccctatttga g 401

<210> 23630

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23630

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ttcaatggta gccataaccc tagccaaggt tcatcaacct ccatttctcc gagaatacga 120
ctcgaacgca acgtgtgctt gtcacggaga agccccgggg cgttccattg agcatggtag 180
ggctctgaag cgtaaggtgc aaggtctaata tgatgcgggc tggctgaaat ttgaggagaa 240
ttgcgtgtaa atcctgacat tgacaagaga tgccacacat ggggcaattt tgaaagctgt 300
tgttaggtgt ccctaatagac tcatcagggt ttccaagttt atgccattat tgtaaaccac 360

agctacaatg ttaaataana tggataaagt tgatatcttt gtcctcatc ctctcaca 418

<210> 23631
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23631

agtttgcatt aattccaatc ttattcctca ctgaatgcag aatgaatcac taaatggggg 60
tagaaagctt tttgtggaca agcactctaa ccttaggggtt cgtgatcttt tgatgcatgt 120
gtatttcaag ttgaatggat tatagtcttg tcaaaatttg gatgtgctaa ttacatgtgg 180
tgcttgagtc taaacacaaa cctatacgca tttggtaagg ctaagtgttt ttctttgaga 240
gatttctatc accatgatac attcttaatt ttgacttgac tacttgtcca ctntgcattn 300
tgtgatcatg tgttcatgga ttgcttgta ccttgaaacc attcttccat tntccatctc 360
tcttaatttt gtgcattgtt aggatccatt gaaa 394

<210> 23632
<211> 405
<212> DNA
<213> Glycine max

<400> 23632

ctcagcttaa cgaagttctt tccttaacta tttttgcgca gtttactaga agaggatcta 60
acccaaccct aaaatagcct ctattcaaat tgggtcctac cactcaaacc ttggtattcc 120
cctttgggta cctcttggtg ggaagaaagg aatggaatta ggagatcaaa ggagaaaaat 180
aaagggtgtc gcctaccaat aattagttaa aatgctcttg gagggagaaa acaagtctcc 240
tatgtgtgta gaacttcaag cctctacctc aagagatgag agaactcttg agagaaagag 300
ggaaagagga tgtggggaaa gaacactgtg tctcacgctt ttgaagcttg tggggtgtgt 360
ttttgggagg tttcttgagc tttttgtaaa ttgcctaagg ttttc 405

<210> 23633
<211> 384
<212> DNA
<213> Glycine max

<400> 23633

agcttgacat taatatttat ttcttttctg gaggccatca attgtttata atgagagtaa 60
cttacactat tctatatctt ctttggtgga gttgggtgggt cgaaactaaa ttaaagaata 120
atagtgggtct caaaatatat attattatgc acaaaaaaga ccaaactaaa cgtgcaggta 180
aaggttgagt ttaattatca taaagtgttt atatatagtt ggcctttgtt ggtcgatttt 240
gccagtgtca tataaactag tattaaggag ctagaggcaa tgggaaagag caatgttctc 300
gttgaggggtg gaactgggta tgttgggatg aaaatattga atgcaagttt attacatggc 360
catgaaacct atgttcttca acgt 384

<210> 23634

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23634

ttaaaatgga taaaaggctc acattcacta tcttttacnt catattttaac tggtcctaaat 60
gaataataaa gtcatctcga ctcacagaaa atcatataag totcatacaa ttaatataga 120
acctatatcc taatgtcaca tcctatcaga gcgtgggtgtt cccgtgtcct ctagcatgag 180
gttcttcata gtcatccatc tattcatctg ctcccccgaa cacaagttca agatcatcac 240
aggatccaaa cacaacaaca cacagggagt gagttatcac attcctagct aatagagaaa 300
caagacaatt aaatatacat attatataaa tgagatacca cttgcttaaa catagctcat 360
gttacttcgc cacttagtcg nttcaaattc acttttcaat tatcaatcac attac 415

<210> 23635

<211> 154

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23635

catctgtgcg gtatttcaca ccgcatatgg tgcactctca gtacaatctg ctctgatgcc 60
gcatagttaa gccagccccc acacccgcc aacccgctg acgcgaaccc cttgcggncg 120
natnnaatat aactnnata atgtatgcta tacg 154

<210> 23636
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 23636

agcttcgaaa aaatctacaa gcttcgtatg gtctgaaaca ggtaaaaggg catggtataa 60
 ggaaattgac agttattttc taaaaagaag gttttaagaa gagtgaaaat gaagtcactt 120
 tatatgtgaa gtgataaaaa aatgaagtgc aactcattgt ttccttatat gttgatgatt 180
 tattttttat atatagggaa tcaaattcct taaaccaatt caagaatagt ggaaccttgg 240
 agaatcttta tgatagatac aattaatgta taagaaaatg atggagagct accatgtcga 300
 agatcaatac aataaatata aacaacattt gacagcttct agaaagagaa aacaatcaaa 360
 aggtaattgg tgttaagtgg gt 382

<210> 23637
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 23637

ctgaccaaac cccagcagca gttgtttcct tagagacttg cctcagcacc ttatctccga 60
 gactgaggat aattgcacta tgtgccttct acagtaatgc tttcttatcc ccatcaccca 120
 tcatcttttc aagtttggct tctccatcaa gtgcttcac caggccctgc tgaacaagaa 180
 gagttctcat cttcaatcgc catagccga aatcattttg ccctgtgaat ttttcaacct 240
 cataactggc tgagcccatt tcttgaatcg aactcaaaat tgctctatgc tcaccgcacc 300
 aatttgttgt gccaatgca gattataatt cacaaaagaa tgagtttctt gtatgaacaa 360
 gaataagcaa aatg 374

<210> 23638
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 23638

agtttgtaaa cacaataggc aaaatcttct cttgttacag catttgcacc tcacaacct 60

gcctttatca tttctcttac attgatggca cgtaaagggg cctctctcat cacactgata 120
 attgagaaac aaaaaacatg atctcaaata caatgttgta tgtaaagaca aactcaaaca 180
 tgcattcata tttgaatgat aaatcatatc accttggcct ttctcctgtt ggcttttggc 240
 tccatctctt gtttacagcc cctaagacca tattttttct cagtgccaga catttcagat 300
 tcagccattt catcatatct ctttcttttt ctactgggtc tctgctcgga aacccacact 360
 tccatggcgg tagcatctaa ca 382

<210> 23639
 <211> 510
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23639

cgacgctagt ctttggattc tgatnctgaa nactgaaanc nccgctgttc taaaaccact 60
 ggacattttg gagtcttttt atcaattcat attttagtgc tcgcgtatcc atctttggac 120
 gttctcgtct ttccggcctt tttatcaggg aagatgcata caatgatcct cccggtgctc 180
 gttacgatag aaagacagcg gtgtctcttc aacttgagct atccgcaaca gcatctggat 240
 acgctatacg tgcactggtg ctaacttgat gacgggtctg gctctaaatg ctaggcgaag 300
 aatccgctgt gatatgttct ttgcatcacc acagatgatg ccacaccttg gggcacaatc 360
 tccaaatcct catgtagggg aggtcctaaa tgactcattc acgcgtgctc atacttgatt 420
 ccgttacatg tataaccatc caggtccaac tgttcagatg aagatggttt gccctccata 480
 tatattgtcc ctcatccta ttacaagccg 510

<210> 23640
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 23640

agcttttact taaatcacc acccaaagaa aatcccttac aaccaaataa ccacaacttc 60
 ttaacggcat aaagtgtacc acgacctcac gaaatggacc cctatctatg tattggatc 120
 aaccatcatc tactcataca tgttaatctg tgaaactaac gtacaactca aagatgaaag 180
 aaaaaaatgt aagttgttct ttcactcact tgaggaaatt tcaaagattg tgcttgtgtg 240

aaacaattta tcttcgattc agtcaatgca ttttaacaat ttttatcttc cttacaaaaa 300
taggaaataa aagaaacaat tattattcaa ttgttggtac ctgaaaatga tgcagagtcg 360
gaaaggacac agtagcctcc gcg 383

<210> 23641
<211> 193
<212> DNA
<213> Glycine max

<400> 23641
gcgtagtcca ccattttccc tagtagaata ctggaaatgt gtctactatc attgccatcg 60
atTTTTTcgt cattgaggtg ccaacttaagt tgccagggtc tctccacctt tgggcgtatt 120
cttttgaaag aatcgtgccc cctttttgca catgttctgt agttgcaccc tattcgaaga 180
cattattccg aca 193

<210> 23642
<211> 517
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23642

agaagcagaa acgttgancc tttgatttga tncctttgag acatacnaan gccaatnggg 60
cgcaatgcac cccgggaccc tgggaaccn actttccggc ccgcaggctc agcaagtctt 120
atcgtcgata ataaagagag actccttgtg gagaacacta actcacgcaa cctaaatcga 180
gaccatgtgt gttccatata atataccatc tcagaacggc agaatctgat agtgtgatct 240
ctaagccaga catgaagaac tcaactcgga caattgtgaa atgtgatcaa ggtgatctat 300
caggcacgct tggattcatg atgatcatga gtatccacgc actcataagt attatcagtc 360
cacaggctta ctaaaccatc tgcatttgaa acatgaagtg gatctaacat gcaaccaata 420
tgtcataaag aacaaagtta gtacggatag cctcatacca caagaaacaa ttagtgatgc 480
acgagttaca tacaatgctc ttaacatcac tgacgcg 517

<210> 23643
<211> 362
<212> DNA

<213> Glycine max

<400> 23643

atcttttggtc tgtgtggatc ttcacagaac aaaatctctc aaactctctg aatcttggac 60
cttactctct ctagaactct ctagacatgc agaagcttca agataaggcc aaactccctc 120
aaaaatctga tttcaggctt aaataggtgg ctttgttctg gctcgtgcgc ttatcacaat 180
tctgaaccgc ttaacgcgca ttagtgaata tcggcttagg gcggcttttc tcgctcagcg 240
gatggactga agcgggtgcgc ttagtgggat ggcccttagc tcaacgaaca agcacaatct 300
atccatcgtc catattcttc ctgcgcctta tacgatgaat gttgcgctca gctaattggct 360
cg 362

<210> 23644

<211> 374

<212> DNA

<213> Glycine max

<400> 23644

tgcttctatt atctccctt ttaggatgat gacaatcctg aaagcaagaa acacatacac 60
attctttgtc ctagtgcgac actcacttaa ttctccatat tctccctttt ttgagtttaa 120
gcttcacttg aaattaagtt atttaattat gtgagttctg gatttaattc ctattttctc 180
tccgcctttg gcatcaacaa gaagccaaag tgggtaacaa ttataaaaca tacataaatg 240
actaatcata cacaagacat tgattgaaaa atctaaacca atcatgaagc ataaacatga 300
ataaccata ttaatatata aaccacatag tcataataca taattcatac caaagtagtc 360
atactaagca aata 374

<210> 23645

<211> 375

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23645

agcttagaaa gtccttcgga ttcaattttg tgtgttcatt gttgtataac atgagatgaa 60
atgcaaaggt tgggacttat gttagttttt tatgatggaa tgagcctaaa cacttgagca 120
tgagtgaaac aatgactgtg aggtttgggt aatgatcctt ccttgatttc tgccatccat 180

actagcttat ttcagttgtg actataatgt gcatgattct atctttgaaa aactgcatgt 240
 ttgtgaaaat taattgattg aagcagtcca tgatattcag ttcatatggt tgaattttgt 300
 tttctgtgaa gcaaacacca tttttgagtg atcactgtag ctngtcactt gaggacaagt 360
 gaactgttct ttctt 375

<210> 23646
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23646

tccatcaagt ggtaatcaga gcacaagagc ttcaagtatg tgctccttaa acctccatta 60
 attttttgct ttaccttctc ttccattggt gtttcttcat ttttctccat gtatctgctc 120
 acatgtcttg tgctaaattt tgtaacatg attcttgaga gtttccaccg attaaacttg 180
 ctataaaagc tagatttgat tttctgtggt tcaaatttct tgttcttggt cttgaaccat 240
 gaattgtggt gagtttaagt tcctttgagt tttgtcattt tttgtggctg aaacctaaac 300
 cataaaattc ttacaaaaat attaaagtag aagaaaacct caaaaatcta gagtgacttg 360
 ttcacctatc ngtagtttgt catagaagtc atgtc 395

<210> 23647
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 23647

agcttcttat taataataaa agaactcctt tggagaacat taagcaagca acaaatttaa 60
 accatgtttt tccatatata tacatctaga aagtagaaaa gaagtatgat attaagtaga 120
 aagaaaaatc atcgaaaaat aagaaatata tcaaaggatc aacaggcacc ttgtcttcat 180
 gatgatcata agtagcaaca cattcattag tttttacagt ccacagcttt actaaaccat 240
 cagcacctga aacattaagt tgatcaaaca tgcaaccaa atgttataaa gaacaaaatc 300
 agctacagat agctcatcac cacaagaaac aatttgtggt ccacgagtaa caaacaatgc 360
 tottaacaca cttgacgtgt 380

<210> 23648
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 23648

ctcagcttgt tgcttgttta gagcattaac acctccctct ctcaacagtg gaaggataac 60
 atgctactgc aatcactgac ctcaatggcc tgatgagcct agttgtttgg atcagcactt 120
 cttttgttca acttttagat tatttttttt tatcattcag aaagagaaat catttaaatt 180
 tgtttctaata aagttttgct atgtgattga aaattttaat tataaactct cgttgagatt 240
 tgaataaata tgtctccagc agcaatccac ttatacaact aaagggttat ggatttggtg 300
 aaattgctta agttgatttc cttaatgcct cttaagtctt atcacatcag atttgaagtg 360
 tttggatttg caacatccat tagtaaaaaa c 391

<210> 23649
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23649

agcttacttg tattaatata attagcacat tatcaagtac tcattggatt taggagattc 60
 aaaggattgt aattttctcat ggttcattga tgtttttttc ttttgtctaa tgttattttt 120
 tcattcagca attgtgcac taattggatt ttaatatcta gtgtcaaaca ttgaacgaag 180
 aagaaatatt tgaagttcag acagcttata acttttttct ttaggttga tacatgtaag 240
 tgggtccacta atgttggttg ttaacttattc attattttta ttatattcat gagtaaattg 300
 tattcttccc tgngtggtga ctgcaaaaaa cttaatatga agcattgatt tttcggcaaa 360
 actcacttgg ttagaactat cctat 385

<210> 23650
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 23650

ctgaaccatt atatcaataa acacatggtg agttttattt agaaaattag agtttatctc 60

ttttatctta gtgagagtga ttctcctaaa ttcttgagtg attcaagaac accttggtg 120
 tatcaaagga ctttcacaac ctttgtgtgt tgccctcgct ggaaagagtg attctttcct 180
 tcctttcatc atcacccttg ttctttcaaa ccacaattcc agaaaatcca cctctgcccc 240
 gaattatctc gtggccataa ctcccatttt acgcactcaa attaagtgat tcttgagcct 300
 aaattgaatt tcaaaacgag acctttcacc tcgttttgga atcacctcat ttggagccct 360
 gttgcttcag agattgccat ttctatattt ctgtccagcc accactta 408

<210> 23651
 <211> 280
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23651

agtttgccga cgttcttacc gctgcaagat gctgaaaggg tggcggcagc tgctatactc 60
 aatgagaatg ctaataatga tatacttgtg aggagtgtg tcttgtgttg tagactgtat 120
 aagttataat gtataagtct ttctcacgta tattactgct ctagttttgt tgtaaagact 180
 ctacttatcc tatgctatgg atntctttgg ttataactta atcttgtgtt tcaatctttt 240
 ataatgtctt atttgcaatc ttctgagatc ccataatgac 280

<210> 23652
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 23652

cttgagacat tgtcattagt gaaaaccacg tagtcgtttc ctaactgact tttaaaatta 60
 ccataataat gacttttggg acatagtgat gaccaaataat ttggtcgtca cttttcattg 120
 ataatcttgt agaggatgca cttgaattac tcattgttgt atataaattt attttaaaca 180
 gaaaacgaaa aaaaatatat tcaagagttt atatttttta taagtaacaa aattactaaa 240
 gaatatcttt tatctaaaaa gtatatattga atggtaattt aactgttact gtctatttac 300
 ttttcataaa ttatatatga taatattttc catagaagtt aaagaacgac tatattatca 360
 ttatttaaatt atttatcata gagaataaaa aatgtttcac ataatttcta atga 414

<210> 23653
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23653

agcttgtagt gagcttcata acaaggaaag ggaaacatgg ctcaaaaggg ctatcaaagg 60
 aattaattca aggtaagtcc atttggctag gagcttataa gaacaaaatt gcctaaatca 120
 tttccaaata tgcattgtgaa ttangaagca tcaacaagaa tcaagccaag actattgtgc 180
 aagcaatcaa tggggcaaaa cacaccaaatt gattatgatg atggatggct canattctta 240
 caaaggtaaa ctcatcactt tcaaattgag ctttcaaaac tatcatgaca tgtagaggaa 300
 aagcaaggat ttcaaattgcg ataattgtcaa gatttttgtt aaanaaaaca ttaccatttc 360
 cttgaacata tcctctaatt c 381

<210> 23654
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 23654

ttacaatcaa tctgtctact gactaacaat tgttattgca agttcacatt cctgttcttt 60
 ctttgttcga catgcacact tgctcaactt cgtgaaagga aacacgaata ttatcttaag 120
 catgcattca atttaaaaca aagtcacaca cccatttttc aaaaaagat aaaagtgttt 180
 cactgccatg tcattctaaaa taagttaaac tgttcaaaat gttccggat aagcatacta 240
 actattcata tataaaaacta gtagtatata taaacatata ggaaatatta tatgaaagcc 300
 aaaatcataa taataaccca aaaagcaaaa agtgacatta agaatcaca tgtcacaagt 360
 gtttagactg gagaatcgga gagagtaata gtttctacag atgatg 406

<210> 23655
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 23655

agcttgacat ttatagctac ccctatgcct tgtttcattt taaaagatta aatcccataa 60

gaaaatgaag tgaataattc aaaataaata tttaccatt ttttactatg aaatcctcaa 120
accattctag ttatataata ataacgaaaa aataatatat tttggcttaa gatttagaaa 180
atgttaaaaa gttgatttaa acttataaaa gtgacttata atttttaaat ttggtttttag 240
tactgtttta ataaatttta tatcatattt atgattttaa attgtatata atatgaattt 300
attaataagt attttattta agttatttat ttaatcattc ccttcaaaac agcttgact 360
ttataaagct attgggttat gaaattgctc 390

<210> 23656
<211> 414
<212> DNA
<213> Glycine max

<400> 23656
tgtactttca agctatgatt ttaatgcggg gatattcttg atgttgtagc aggtaatttt 60
gatttggtgt actttgaatc ttttttacc ttttgtgtat tgtgtagtga tgtgggagtt 120
gcttgaactg gattgggtct gacacttttt tgtgtggatg cagaatttaa tttcagttgc 180
tattgtttcc gtgttgagcc ttctgggttt agtttcaact gagccgctga cgtggagatt 240
gatcaaggtc tggttgcctg tgaattttat atttgttga atgctcgtta caagcatgtt 300
taggtatgca gtcttctaca ttgtggetat tgttatgttt tcattctctc ttttagttgg 360
aatatattga ctgatggtct taccaaaggg gatggttggt gcagatgctt tgtg 414

<210> 23657
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23657

agtttataag acaatcaaga agaagaatag gtaggggcat agagtagttc aactatcttt 60
ttggttctca gaagcaacat ttgcaaact cctgaagcaa taacaacact caattaattt 120
catttcaaca tacgctaaaa atattaaaat tcacaatata aagtccttac cttagaaagg 180
tgtttacagt tggatttccc atctcaaact ttaaggctgt gagcatgtca gcttccatct 240
ttacaacctata tatataacca gttaccatgt aaacaaaagt gacggggaaa gatccaacaa 300

gtaaaaaacc ataacataat ccggtatcac atcataaata agagaatact anagcatatc 360
tatttacctc tgcc 374

<210> 23658
<211> 394
<212> DNA
<213> Glycine max

<400> 23658

tctgcctttt ctatttctgt gacctgaact gtatttgtct tcttctcttt atccagatcc 60
ttaaactgca gtgattgtct gtagtcactt gtggcagtga cgaacactac aagcaatatg 120
cttgcaacaa taccaattcc atcctgtgca cccttgggcc acccttccat tattatacca 180
accaccaaag agaccaaggc acagacagca agtatcatga gggttgtatc ttgaagggat 240
tcccatacat aaacccaaaa tccacgggct ggactttcag cgaatttatt aactccataa 300
atttcttttc tctgattcac caagtgtcga gatgttgata taccatcatc aactgaggta 360
ttgagtttgt ttgtgatagc atcaacccca ccat 394

<210> 23659
<211> 373
<212> DNA
<213> Glycine max

<400> 23659

agcttggaca atcctcacct tacaagccaa ttgtgtagaa ttgagttaga tcctaattccc 60
aaataactaag atacaccata actaacaact gttctttgat gaaaaatatc ataattgtca 120
cacacatctc ttagatggtc catgcctcat aatgatgtag tcaaattaaa ttagatgac 180
agctgcatta atgggggaaa gcttgggaaga gatgtaatta gatcaagtaa tgggtgattgg 240
tttgatgact tcacagcttt ctatgaccaa ggtgacattc ttttagcata atttcttgct 300
acgagagaca ggctcaatat ttgcttggat aatgggttgc aagggtgtga tatgccagtt 360
ggattcttgg atg 373

<210> 23660
<211> 316
<212> DNA
<213> Glycine max

<400> 23660

cttttgggaa ttcttttgga atatttaagg acttattaca cattcctctc agaatagaca 60
tattgtatac tgaaatcaga catatgaatc aaaatttatg cctagtcaaa gaaatcaaca 120
agaacacgat gttgttgtat atgtatacaa caaaattggg tttccattgc atatatatgg 180
ggtggaaaaa gtagaaggga acacatgatt tcattatata ctcttacaac ataattgtgt 240
ttccattgca tatatttggg gtggaaaaaa tgcaacagac agacaacttt attgtatact 300
tttatgataa aatcgt 316

<210> 23661

<211> 381

<212> DNA

<213> Glycine max

<400> 23661

atcttataat atatcgatac gctcgaaatt aaacatcgaa aactctcgtg aaattcaaatt 60
ggtcataact tttcacacgg atgtccgatt caggcaaatac acatatcgag tcgctcaaaa 120
ctgaacaacg gaagctcttg agaaattcaa atggtcataa cttttcacac ggatgttaga 180
ttaaggcgca tcacatataa agacgctcga aaatgaacaa cggtagctct cgagaaattc 240
aaatggtcatt cacttttcac actgaggtcc gattcaggct tataatatat tgatatgctc 300
gaaattaaac atcggaagct ctcgagatat tcaaattggtc ataatttttc acatggatgt 360
ccgattcgag cgcataatat g 381

<210> 23662

<211> 403

<212> DNA

<213> Glycine max

<400> 23662

tgaatcggac atccgtgtga aaagttatga ccatttgaat ttctcaagag cttccgttgt 60
tcaatttcga gcctctcgac atattatgag cccgaatcgg acatcgggtg taaaagtcatt 120
gatcatttga atttctcgag agtttccgat gtttaatttc gagcgtattg atatattgta 180
accctgaatc ggacctgagt gtgacaagtt atgaccattt gaatttgacg agagcttccg 240
ttgttcaatt tcgaatatca ctatatgtga tgcgcctaaa tcggacatcc gtatgaaaag 300

ttatgaccat ttgaatttct caacagctgt cgttggacaa ttctgagtgt ctcgatatgt 360
gatttgccctg aattggacat gcgtgtgaaa agtatgacca ttt 403

<210> 23663
<211> 382
<212> DNA
<213> Glycine max

<400> 23663

agcttccaca gggatatcta tcgtgataca gtaacttgaa acaatcatta agcttttcca 60
taatttcttt agttcactgt gacctatgca tatatttata tctcaaataa ttcacacact 120
ttcattagtg ggagatgaat tatttgcaca atccttatct accttttggc agcaccataa 180
gttgcttttag ccaaataagt gagcaagcgc tatataaatc atgcaaatta acccgatacc 240
ttaattattt atctgttgta tataaaagtt ggggcgtgaa ttttttaaatt gttacctata 300
tttatgaact tttgtcgctg agagttcggt tgatggtcag aataggactt gataagataa 360
aataattatc atatcaagtt at 382

<210> 23664
<211> 374
<212> DNA
<213> Glycine max

<400> 23664

tattctcctt taactgtttt gcctttcgct gcttaccxaa aaagactttt gcctctcatc 60
gctgaccxaa aaagatcgct gtctcgcttt cgctttgtc tctgtcaxaa ccttctatg 120
ctgacaxaat ttttgggtgt ttaagcgaga ttttgtgttg atgttggttg atttatatca 180
tgctatattt tttatttttt cagatctaaa agagattgga tgagataata attttttttag 240
ttgttttttt aaataaaaata aagatagtag cactttttta cctgcaacat ttaaagttaa 300
ttatttttaa agatttaatg tcattattaa tctattatat tttgaaatta ttttggtttg 360
atatatgaag tttt 374

<210> 23665
<211> 369
<212> DNA
<213> Glycine max

<400> 23665

tgttttcaatc ttgtttggta tatgagattt ctgtccatac aaggaatcaa ctcttataat 60
cgatcatcac agaccttaaa aaagttaa at gaagagtata aacatagtct gaaggggtgc 120
aaaagtagta aaaactagaa acttacatga acggaaaact aataacttta tcattttcaaa 180
atcttaattt aactcactgg aatgctcttt ggacaacact gccctctcct ccaacaactg 240
tggaggaaga ttcaccatca tctatgtccc ctcccatacc agagtggctc ttagatttat 300
caccatacac tacagacgat gaatcactat tctgagaata taaatagata aatccaccaa 360
ctatcacca 369

<210> 23666

<211> 356

<212> DNA

<213> Glycine max

<400> 23666

tataaaactc agcttgatgt ctaccaaatt tttattgtaa gccgagctgt gcctttgaaa 60
agaaccccat gataaaagca tatgacagga aattagtcaa gtcttacata ttcaactcaa 120
gccgaactca aacttaataa aatttgagtt gccctggcta atttatggag tataggatga 180
gactgattgg atgcaacaaa aaaataacct ttaaagaatc gagccctatg aaatgctcat 240
ttcctaaaaa gatgtgtaat taaaattagg agcccgtaat tttaacattg gttgccctct 300
accctttgat atcctatcgt taaaaaaagt tgtccttcat ggccaataaa aaatgt 356

<210> 23667

<211> 374

<212> DNA

<213> Glycine max

<400> 23667

agcttgaccg gatgtaagat acatcttctt caaccttaat cattcttgac tccatttcat 60
tgaagcgcat atccacttgc agttccaaag tatcaaact ctcaccaaca aaggtttgaa 120
gaccatcaaa cttttccaat atcttagaaa gaagagatga atcttctccc tcatgtcctt 180
cttcaccaac atttctagca cccttcttta tccaagatcc atcatgctct ttaacatatc 240
caaaggatgc tatgactgaa gcgcctataa ggaattatct cttgattaga acataagggtt 300

cagaatcaat agggatgttg aagtgttgaa ggaaaaggg aacaagatga ggataatgta 360
atggcgcatt caat 374

<210> 23668
<211> 384
<212> DNA
<213> Glycine max

<400> 23668

tgcatttttta attgcgaaag cccactcca tcatttggat tagtacctga catctcaaac 60
aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
tgtatcacac aatgatggct tttctctaata gaaacactct ttccttttac cactctaatt 180
ccccttgagt tcttaagcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
atgtgtaagg taaggctata gagacaagga aaagggttaac caagaaaagg ctaacaatgt 300
ttttaggcac aaatgaagga aataaaattc agaatctagg aattcaagta acaatcctcc 360
atgcaaccaa tatattacct taaa 384

<210> 23669
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23669

agcttcaact cttaaagtag caccctaaca ccctttccaa ggaccactcc ctaactccaa 60
accccatgtg tctcttcctt accttttgta acacccatt tttttcgtaa aataaattaa 120
aaaggattat atttaaaaat aaagagtttt aaaaaataa tgaagatttt ggaattaaat 180
aaataaagaa gcaaataaaa taaatatatg ttattaaaaa atgttttatt tattcatttg 240
ataggtagta aaatagagtt tattttttata aaatgataaa atcactacca caaaaatgat 300
cttctacgat gcacgtntta tgatgggttct acaaaaactg attgcataag taaagtgggtg 360
accattttgt aaataact 378

<210> 23670
<211> 385
<212> DNA
<213> Glycine max

<400> 23670

tatcttgttt ctaaccaagc cctctggtat ggtaatcgat tacaaggaag agtaatcaag 60
tatcaaacc taaaacatag ttttttctat aaaaacttac tatatggtac tcataaaacc 120
tacacactca ttgtaactat tatcaacaac aattaaagat ccaaaataga cattgaaaaa 180
caagcatcat aaacttctta actaccatca tcaagcacia tcaaaaatac aaagaccatc 240
atcaaaacac aaactaagac aatctacgac gatcattaat cttgaaacag ctattaacat 300
gactatccga actcaatggt agacgatcgt taaaccgcaa ttaataataa ccatcagaaa 360
caaactcaga tataaagaaa gaaaa 385

<210> 23671

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23671

taatcttaga tcgaagtgtg aganttaagt tttaagtga tctttcttgt gagaagaaga 60
actgttatct gcacagttga atcacagacc cattttctat aaagtccagt agtagctgga 120
agaagataaa tctagtgggt tagttggtct agcagatgct aggtttgaag tccaatgagg 180
aactaatagg ttattgaaat ccattagttt gctagtctaa ttgtgaattg gttgtgttag 240
tgaaatctca tctttaaggg tggaaactat gcctagccca agattggggg gaatcaatat 300
aaaaatcctt tgtgcactct ttcattttcc tttcctttcc tttgctttgg acaaatctga 360
aaactatctt tgaccaaatc attaaatatt gtatcttacc aaacttaaca acagaaccaa 420
acattgtttt ac 432

<210> 23672

<211> 247

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23672

tcgggctggc tgagagataa ttatgaccaa gtttacttta gccattncta gggtaaaatg 60
gggtgttgag gatgtaaatt ttgcaccagc ggaattttat gtgtaaatct agtttgagca 120

agtcctaaatt gatgttatag acctgggtga cgagagagtt tgctccaaac ttatcccatt 180
ctcaatttcg cttcttatac cttgataatc cattaaattg atgggttttg gatacctaga 240
ttttgtg 247

<210> 23673
<211> 560
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23673

agacattgag tttgatacgt agnattcact gngacactac acnaatactt agagcnaact 60
atgcgncaca gnaanagagg gaananggag atcttanoga ctatttgatt tatncttctg 120
ttacagtcca ctacaagata gagccggact cgaagggatt atggcgatg ataccatcta 180
ttgctcactc attaagaggg tntgttcatt gcacactgca tccacatatt cggaatgtgt 240
atgttccatt gatctctctt taagatcaca ttatccctcg cgcacgcgat aggcaatgca 300
aggcataacg acaatttaac ttcataaagc aaatcacaag gtcaaacgtc tcaatcgtat 360
ggagtaggac aataacctta attaaacatt caagatcctt atattctcgt cttcacagtc 420
ttaaactaga taataacacg tgggtatact ctttatttct caacgcaatt aacctctatt 480
taaaatatac gtgcggagat tttcaaaatt cacttgatat tcgtataaag ttgggtaatt 540
aatgtatttc ctcacacacn 560

<210> 23674
<211> 373
<212> DNA
<213> Glycine max
<400> 23674

tacttctacg agataatgag gtgtcttata tcataaaagt tcgctatatt taaaagcatg 60
ttatctctta agtggtactt gggtaatatg gaatctatct gatacaacat ggaattctat 120
actcacgaaa tatcttcttt caccatgat gccatctacc ttattattga aattaaaaaa 180
agcatctata catgcgttta gttgtaaaca gttctaactt ttattagttt tgaaatatac 240
accaatgagc catccaaaat tttgggtcaa taaaataact atatctaaat atacttatct 300

tataattact attacaacta ctactcttgt cattaaaata attaccocatc tggcttgcca 360
 atttgacact ata 373

<210> 23675
 <211> 133
 <212> DNA
 <213> Glycine max

<400> 23675

gatgagtatg ctcaaatata tgcggagaaa gaggtacag gaagggtgat cgactctcta 60
 caccaagagg ccaccatggg gatggaccgg attgtcata ccttgaacgg gagtcaagat 120
 cttccccgct tgt 133

<210> 23676
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23676

tcaacgttca ttntcgagcg tctcgataag tttctgtatt ctatcagaca tccgagaaaa 60
 aagggtgttg cgtttgaatt agctcagaag ttcaacattc aatttcgagc gtctcgatat 120
 gttacgggac tcaatcagac atccgagtaa aaagtcattg tcgtttgtat tggctcagag 180
 cttcaacatt caatttcgag cgtctcgata tattacgagc ctcaatcaga catccgagta 240
 aaaatttatg gtcgtttgta ttggctccga gcttcaacgt tcattttcga gcgtctcgat 300
 tagttacggg actcaatcag acatccgaga gaaaagttat tgtcggttga attagctcag 360
 acgttcaaca ttcaatttcg agcgtcttga tatgttacgg gacttaatca gacattcgag 420
 taaaaagtat tgtcg 435

<210> 23677
 <211> 300
 <212> DNA
 <213> Glycine max

<400> 23677

caaaatactg aatatataaa ctaaattgttc tggagaaata gatgtactta agtaaaacat 60
 aaggcgaaat acatcgggtgt gaatatcaaa tataataata gatctacaat ctatgaagaa 120

tggtggtgtg aagggtcgaa cgcacgcgacg aagataactc acatcctcct caagctgagt 180
gatgtgggta tccattcctt catagcgagc atcaatggca tcgattcggt cattccagga 240
ttcaaattgt taccaacata ggtgcgagg tctcagaact cataaagaac ttcattgatg 300

<210> 23678
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23678

acagtntact tatagtcac cgcgaaactc tttnttttct tttatggaac atcaacaatg 60
gtggggggaa tgcctccaa attaatcaat gttattaata tagataatga ccaaaactca 120
gataatgcaa ctgaggtagg atcagtatcg gaaaaagaca taaattcaat aaattccaaa 180
cactggaaaa cagcctccat actatattat caatgaccaa ctacccctga ccttctacta 240
taagaaaatg tgagaataac ttcaaatttt tttagtgc aaacatcta tgagtggaa 300
atagatgcc aaatggagta caatatcatg aataccctcc aatatatgac catggtagcc 360
acaacctacc aaacatccca tgagtgttca gaagacacaa ttattgata 409

<210> 23679
<211> 321
<212> DNA
<213> Glycine max
<400> 23679

ttataatcat caatcatcct tgaatcatct atctttcaaa ctttttcaac atcatctctc 60
aaacatcttt caatcaatct ttcaatatct ttctacagaa ttctatgatt cattcctctt 120
catccttcta aaagcttttt atcaaacactt tctcttccaa gaaaagtact ttgttcaaaa 180
actcgtgtta ttcattctttt tcattctctt atccctttgc caaaagaacg aaagactaac 240
cgactgatat ctttgtgatc ttttttccct tacaagaatt caaagcacta accgctgaa 300
tatctttgat tcttcttcc c 321

<210> 23680
<211> 403
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23680

ctccgcttta ctatttatgg cccttcatct tatttgtttg ttgtctctaa aggaaagtgt 60
ttacttgatc tcacatctga agttttgatc gtgaacatta atgatttcat taaatgtgcg 120
tcctttcttca tgctcgaaaa ccactattgt ttgctntcgt gtagagcatc tacaacaaaa 180
aaccacttat tttgagacaa agcaagtcta tcacggaaaag tgtgtctttt gatgtgttga 240
caacttttaa atttgatctt atagattcga catatcctaa agaatgcttg gagacagttt 300
tacaaaagaa tctcaatata tagtataaat gaagcttcat gtatctttat gttgatcaaa 360
tatgactact catgctttgc caacttagac catgatacaa cat 403

<210> 23681

<211> 317

<212> DNA

<213> Glycine max

<400> 23681

ggcagcatat tcacacagca ataactattc tctcggtttt tggattgagt ctcgccatat 60
atcgagacgc tcgaaaagtaa aaatggtgaa cccgatcaaa ttcaaacgac aatgactttt 120
tacactgatg tctgattgag gcctatcata tattgagagg cgcaaaatta aaaatggaag 180
ctccctgcac attcagacga cgatgacttt ttattcttgg attagcgatt gagtaccttt 240
atatatcgag aggctcgaaa tgtgtaatcg aaagctccga tcaaattcta acaacaataa 300
ggatttactc ggatgtc 317

<210> 23682

<211> 446

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23682

tcaggaacac gtaatggaac taatgagact gaatcatcat gtggagaatg ataaganaaa 60
gaaaggaagt ttgaaccata gacaataaaa tctagcctct atagcaagtt taatcggggg 120
aaactctaaa gaatcatggt aacaacattt agcacaagac atgtgaggag atacatggag 180

aaaaatgaag aaacaacaat gaaagagaag gtaaagcaaa aaattaatgg aggtttaagg 240
 agcacctact tgaagctctt atgctctgat accacttgat ggaagcttgc ttgtggagct 300
 tctatggagg ctggatcttt gagctttaat gaggtccttt aatggtgatt ttccaccatg 360
 gagatgcagc ggaagacaaa gaagaagagg taagaggtgg cgccatccac tanggaataa 420
 gccatggaag aaggagcttc accacc 446

<210> 23683
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23683

tgtccttggt ttagacatga ttggtacatg atttgtgtct ttaggattc aatttgggca 60
 aaattggatg agggaaagag tggttttcga aatctgcact ttatgcagaa ttttgttggt 120
 gaaatgtgca gcagaatctt gtataagtgc agaaaaatgc ttgtgtatgg ctggttggtga 180
 aaaggatagt acatatgggg ttctggacat ttggtagcag atcccaacgg tcataatgta 240
 gacttatgta ctagagactt ccagtataat ttttgagtca atccaacggg taacgaattg 300
 gaacgaagga aatgttactg gggatattgt atgtgaaaag ctatgattnt gagttgtggt 360
 ttgggcagag ttttctgcct ttgccctggt ttgcttggtt ttgttagtcc atgatgattg 420
 gatgtggact cacctggatg 440

<210> 23684
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23684

tgatgttacg ctaagtctcg catctcangc taagcgcata ttgcagaaag atttttggtg 60
 ttgcagaaag cgctaagcgc cgctgtcgc gctaagcccc aaatgcttac gggattttac 120
 aacttcaagt tgggcttagc acgaggctag gctaaatgct agtgttttta acttaaacat 180
 cacgttggca cgctaagcgc gccatacaaa attcagtttt taaaaagcaa aggcagaggc 240
 acttgggtcc ctacccttgc acccaaacct ctccaccttc tcctctctaa gcattctttt 300

gcttttctatt gtgtgtgtac tactttctctg catcatttnt gcttcatttc aaagacaatc 360
 caagtaactt agcatacttc tatttttttac ttttcatgct tcaaacctta ngatagttga 420
 tttatgggtt tcgt 434

<210> 23685
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23685

gatccaacat tgaatactga aagtgaacag caatcttggt tttatgattg ttgcagcatt 60
 ttatgaaaca atctgacttc tgaaatacta tttatctagt gcttcatgat tgttgcattg 120
 atgtattaat aagtaatctt cctttgtttt aggtggaacg atctcttcta gtgacaggct 180
 ctgggtatga tcatgatgat gcatgggcta cgaacatata cttattcaaa gaatttaccg 240
 atgtcagcag ggtatttgtc tganatctat taaattgcac ctcatcttc tgccttcac 300
 ttcatttct tgactttgat gtttaggggtg taagacgact tggcgcatct gccgtggaca 360
 tgtgtcatgt tgcattgnga attgtagaag cttatcgcca atatcgtcta aagccatggg 420
 atat 424

<210> 23686
 <211> 444
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23686

ccgcataatt tccttcagat tgagctgaca ttcgtttctg tcgtcattcg gttcaaagaa 60
 gctgcgctcc agaaccgtac gtgagatttt catctcatatc ggctcctccc ttatgtgtgt 120
 aatgataaaa atacatagaa tcaaaaaaga ttgcagtatt ctcatatta actgaacagg 180
 gctagtgttt ttacaaaaaa atatctagcc aaccttcctg taaaaaatga tttcttaaca 240
 ttaagtatgt tggtaactgga taaaaaaaac agtaactcca acaatttctt tgtcctcaac 300
 gctgcttaat ttcgcggaat tagtcacctc aataatcttc gatgggttata tgggtatcca 360
 aaatatgaac gagatggata tttattgtcc caaccattct tgtttgtcgc aatctcgata 420

agacatggat atctatctct ctan

444

<210> 23687
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23687

tgcagcattg gacatcaacc caacttcaag accatatttg ctttaataacc atattacaaa 60
tgaaccaaac ttaactcaac ctcaaagcta actcaagggg agaggattac ccagtcctta 120
aaagttaaaa cgaaaatttt gccccattc ctatagctga ttcaaattct gttaaaactg 180
cactgacact tgtaatatct cattcataaa aaaatagtca ttgacatcca ctcanatgc 240
tgtttgggga aggtcatca attgccttcc gtgtcatgat tgcatctac tgctatttac 300
ccttttttaa cttatattta ctgatcttac ggactagctc ctatgttacc atctgggtgga 360
atctcagacc atgtaactta tgctgatgcc tgcacgcaca taaagtggat ttatgtactc 420
cattct 426

<210> 23688
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23688

ngaanatgca tgtgggtacc tattntgaat ctctatgct gtctctacat acataaaaca 60
gtcccaccat cccaattttg caaaaccata ttcatatatac attggggcat ttcaccgagc 120
acttggtggg cgcacgtttg gacataaatt gcaagagaat gagggcaatg tggcatgccc 180
cattgcttca gaacacaaca taggcctaag gccttctcat tcaaatacct aactcaagaa 240
atcaagcata aaaacaaccc aaaactgccc cacaaatata agcacgttct cacaatttag 300
agcaccaaaa gatgaagaaa atactccaat gggaagcaaa aaactcaagg attggatact 360
tacttggttg agtgagtaga aacaccaaana atgaaagcaa aatgcaacca aaagt 415

<210> 23689
<211> 432
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23689

tattcanaac tttcttggtt aatatttgca tgatattttc ttcattgctg ctctgttttaa 60
gtgcattnta tttgagaaat ttatttattt attttattaa agaaagtctg aagactgaaa 120
gtgaacagag aaatatatat catggcagaa cgagaagttt ttgaaggacg catccggtta 180
aatttatttc atatatataa ttgaaactct tttta'caagt ttagaaagtt tggagtccag 240
cacgataaag cagtgtttta tttggatctt gtttagttaa aaaaatgggt tttttaattt 300
aaaatttatt ttaaagttga agttaaaaaa aattatttaa aatttgaaac tattatttaa 360
cttattaaat ttataaattg tacattttta aagtgggttt taattaattt ttcttaagta 420
gtttattttt ag 432

<210> 23690

<211> 428

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23690

gcttgctgga agatcctcng ttctctcttc ttggtatggt ggaaatttcc atcctaggtc 60
aaggtaatgg ccaaaaagtt gatgtttggc tcaaaaaagc ctgcaaagtg cgggacatga 120
tgtatgttgg aatatctggt tagcaaagtg ctcaaaatg aaggaatgcc caaatcactt 180
ccatgaaaca catattatga taataagaaa ttcattgcaa attaatcatt gcacacatcc 240
atgtggacac tcgaatataa ggctttgtga ccatgcaaac actaaggctt agggttttgtt 300
tccccattta gatcaaacca gtgtttcaac gattgctctt tttatcaagt catacaaaca 360
tccgagtcca ctttggcatt cggaataatc tctcgttgcg ttcacctct angtgtacat 420
ttcttttt 428

<210> 23691

<211> 437

<212> DNA

<213> Glycine max

<400> 23691

tctgtgacat tttcgtgac aaatccgtgg actttcttca tcgctcttca ttcgttcttc 60
atcgtttatc gatcttcaac cggtagttt tcgattttga agctttaaat tcattctatg 120
cacccttaag ggtccattct tgctttgtat gctttcatct tcattcttct actttcggta 180
ttcttttctt tcattttaag cgagtttcaa ccgaacgttt aagtcataat cgcacttaat 240
caatgtttaa atgaatttca accgatcgtt tgtgttgtaa tctcgtttaa tcgcctttaa 300
aataaaattc aacgatcgt tcatgtcgtt acctcgggta atcatcaaaa aggcaagttt 360
cataccagac atttactttg aaaatgagtt gggaaataac caagtgaac taaggctaata 420
atcaactcac aaatcaa 437

<210> 23692
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23692

ctataaaact ccgctttata tagctgacca tttatcaata aactcagtg gggctattca 60
caaagtagag tgatctcttt tatcttagtg agagcgattc tcctaaattc ttgagtgatt 120
caagaacacc ctgtctgtat caaaggactt tcacaacctt tgtgtgttgc cctcgtcgga 180
aagagtgatt ctttccttcc tatcatctcc acccttggtc tttcaaacca caattccaga 240
gaatccacct ctgccccaaa ttatctcgtg accatgactc ccatttcaca cactcaaatt 300
aagtgattct tgatcctaaa ttgaatttca aaacgagatc tttcacctcg ttttggaatc 360
acctcatttg gagccctgta gcttcggtta ttgccat 397

<210> 23693
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23693

gagtgttaga ttacatttat ctatacat tcttttattt attattacat aaaaacatgt 60
gatgctgatt gatatgtaat tacctaataa tcacgaattg attgatatgt aaccagtatt 120
gattctgatt tctccattat aaataaagat gagattcaag acacacaaca ttacaataaa 180

acactgttat agtccccaaa agtgtcaact ttntaacaaa ttcacactac cattttgtca 240
 actagcaaac aatttcatcc ctagaatgac caataatnng tataaatgaa aactttcata 300
 accaaagcaa cacaagatgc cactttctga atcaactttt atagtatcaa ctaacatcat 360
 aacagagcac gaaaaaatat cactgaaggc ttatat 396

<210> 23694
 <211> 220
 <212> DNA
 <213> Glycine max

<400> 23694

ccttgcgtag cgcctcttgc tgctcagaaa atcccaataa ctaatccctc ttattactag 60
 ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attggttgcg gttccccctct 120
 ttgagaacga ggaggatctt cataggactt catctagctg atgtttatcg ccaatttcat 180
 catccaccac ccttttcttc tgtgccttct ctcgtttggt 220

<210> 23695
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23695

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 tgctcagtgt atgtggggtt cgtttctcgt ttgttttgat taataaaagt agcaaactgg 120
 tttgaatttg cggttataag acaattaggt aagtatcctc tcttaatgaa ctgtgtgaga 180
 ctgtgacgta tgtagtact caccactact ccgatgagta gtccccggta aattattggc 240
 acttttgctg gcttagctcc ctttgtccct tgtctgccag ttaatgtagc ctataaaaag 300
 aatataagac aaatttaaaa agatagttaa naacaaaaaa tatttactag ttgtaattta 360
 atatacggca actaatattt tagactgcct ttatataatt agaagttata ttagcaacat 420
 g 421

<210> 23696
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 23696

ctacaaattc aaatataatt ctgaaatttc ttcacaataa ttatgataaa aaaattgtaa 60

aaaggtttgc acggtccatt atcatatgcg caggggtggca aatctacaaa tttgcactat 120

ggaaaaccca tgtgacccaa gctcttggtta gccactttaa tagcctatat cacaaaatgg 180

tatataagcc aatgagccaa atgtgttcta agaaatgtga gactttgcct tttgtaatac 240

ccatcaaaac tacaacaatc cccacatat tacaaaagtc ttcaaaaata ttttcaaaag 300

gtttaaaaag gataaaagaa gaggaagaa agtgtcggac ctggtgtaat aagctatgtg 360

aaccattctt ttactggtag gacttaacac atagcgtagt tgggtgtggca agctatatg 419

<210> 23697

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23697

agccaccag ctcgcccagg cgagccaggt ttcttagtag gtccaagtgc gcttggtttc 60

tatttgcacc ccccatctac taaatacacc acttccttn tttgctgatt cttttttcgt 120

aacgttatga aactttacga attttgaac gatacttggt ttctttccgt aatgtcacgg 180

aaccttatgt attatgtatt catccctttt tgggcttccg gaaagttacg aaacctcacg 240

aattgtgcaa caatgcttcc ttttgacttc cggcatgtta cagaacttca cggattgtgc 300

aacaatgctt ccttttgact tccggcatgt cacggaactt catagattgt gcaacaatgt 360

tttcttttga cttccggcat gtcacggaac ttcacggatt gtgcaacaat gctttctttt 420

gacttctgcc atgtcaca 438

<210> 23698

<211> 443

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23698

ntaacaacaa tgaagggttaa aaataaaccc tcatggtatg agaaaaatat atatcattta 60

ttaatttccc ctccttccct taatgaatgt ttcttgtgtt ttcccagagc tttacactat 120

tttggttcca ctaggccatg taattaacta ttattggttt aatgtttaga agtaatcggt 180
 ggatcataac agctcattga tttgttctaa ttaacagaaa gtagtggtta aggtggactt 240
 acatggggat agaatcaagc aaaaagctat gaagacagca tctggccttt ctggtaaatac 300
 aaaattntca ccaaagtaca tatcatgcag catcaaggaa tcaattaatg attcattcat 360
 taacaaaatt gtgtttgtaa ttactttgca ggggttgaat cagtttatgt tgacatcaaa 420
 gatatgaaaa tgatcgtggt ggg 443

<210> 23699
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23699

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 cccacgcgac atagtttcac tagtttgcta agttcaatct cgacctcttt cctactagca 120
 tcaatgcact tcaatactct gcagtcagtc acataattac accaacagac aacaaggcca 180
 gggaaataat agacagtaaa tcaatggaac aataggtgaa aagaacttac attggtaaga 240
 actgcgcata aaatccaaag atattgtata agaagggggn nngntcnact gactanaact 300
 gtttaaaatg agaaaaagcc ttcagatnnt aaacttnnaa ggaggctnaa nntttctctc 360
 ttttata 367

<210> 23700
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23700

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 actgtccttc cttcccgcga tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
 accatacttc ccacgatttc cttgggtttt tatcaggcta gttatgccgc cattgtcttt 180
 gcctaaaccc atcccgggtt cataaccgtt ccccaacata actcgggcca tcattaccgc 240
 cgcacgcgac agacaagggt gcccaaagag ggagtcacag gaggaatgc tgaccacctc 300

aaaagactgg anagcgggttt ctaacgattc ttctgcggct tccacataag gcatggagga 360
 tgggcagctt accaagatat ctctctcgcc tgacacgatg accaagtgcc cctccactac 420
 gaa 423

<210> 23701
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 23701

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 agagcagagg cagaaaactc tgccaaaaca ccaaccaaaa atcacagctt ttcccactca 120
 aagaccccag taacaattcc ttgatccaa ttcgtaaacc gttggatcga ctccaaaatt 180
 ttactggaag tctatagtgc ataagcctac attttgaccg ttgggatcta ctagcaaaca 240
 tccagaactc attctacatt actctttcca caaccagcaa atacatggat ttttctgcac 300
 ttgtgcagaa ttctgtgca caattttaca gcaaaatctg cacaaagagc atatttcgaa 360
 aaccacactt cccctcatcc aattttgccc aaatcaattc ctacaagtcc caattcatgt 420
 atcaatcatg tctaaccaca 439

<210> 23702
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 23702

ttcaacattc aacttcgagc gtctcggtat attttgtgtt tctattagac atccgagtaa 60
 aaaggatttg ttgtttgaat ttgctcaaag cttcaacatt caatttcgag cgtctccata 120
 tattacggga ctcaatcaga catccgagta aaaagttatt gtcgtttgaa tttgctcaaa 180
 gcttcaacat tcaaattcga gcgtctcggt atattatagg actcagtcag acatccgagt 240
 aaaaagttat tgacgtttga atttgctcag agcttcaaca ttcaatttcg agcgtgtcgc 300
 tatattacgg gactatatca gacatccgag taaaaagtta ttgtcgtttg aatttgctca 360
 gagcttcaac attcaatttc gagcgtctcc atatattacg ggactcaatc agacatccga 420
 gt 422

<210> 23703
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 23703

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 gttattttaat ccactaacaa agaagattgt gaccagcagg gatgttattt ttgatgaaga 120
 caacacatgg gactggaatg agcagcaacc caattcaatt attgttgaca atgaagatgt 180
 aaaagaacta cagctactcg taaacattgt cttaacatct ccaaatagaag ctcaaatagc 240
 tcctgagaca gagatttcaa caccaacaaa tgctggaaca acagatgcaa ctagacatgg 300
 caatggggcg ggtcgggtac aggtattgtc tccccaatcc cttaccccgga cgcctcgaca 360
 tattcccata cccgtaccog ata 383

<210> 23704
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23704

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 tcttctactt ttggtattct ttttctttgt ttttaagcaag ttttgaccga tcattttaagc 120
 cgtaatctca cttaatcaat tttaaaatga atttcaaccg atcgtttgtg ttgtaatctc 180
 ttttaatcat tgttaaaata aaattcaatt gatcgtttat gttgtaacct tggttaatca 240
 tcaaagaata aatttcaacc ggtcatttac attgaaagtt ctcttttgac gagttgagaa 300
 ataaccaagt gaaactaaag ctaaaatcaa ctacaaatt cgaaatttct cttttaacga 360
 gttgacgagt tntgtttttt ctattagata tataatatac gatcttttct tcatttgttc 420
 ttgcaccttc atccattct 439

<210> 23705
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23705

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ntaggctgct caattgctcc aggttgctgc atggaatgtc aatggctctgt atgggtggca 60
gcagaggagc acaaaccaca aacccttgcg acaggtacag atttctgatt caaggccagc 120
tgggttacca agttgaccaa cgcattcagc ttgccttcaa gcttttttagt ttcagatgat 180
gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240
ctaaactgtt gggagttgga ggccatcttc tcaattaaat ttctggcttc agcaggagtt 300
atgtctccaa gggctccacc actggcagca tctatcatc ttctctocat attactgagt 360
ccttcataaa aatattggag aagaagttgt tctgaaatct gatgggtggcg gcaactggca 420
catagtttct taaatctc 438
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<210> 23706
 <211> 434
 <212> DNA
 <213> Glycine max

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<400> 23706
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actgttcttc cttcccgcca tgcttctttt catgtccgcc tgagtgggct tatagcctaa 120
accatacttc ccacgatttc cttgggtatc tatcaggcta gttatgtcgc cgttgttttt 180
gcctaaacct atcccgggtt cataaccgtt cccaacata actcgggcca tcattaccgc 240
tgcatcggac agacaaggct gcccacagag ggagtccacg aaggaaatgc ttaccacctc 300
ataagactgg aaagcagttt ctaacgattc ttctgaggct tccacgtaag gcatggagga 360
tgggcagctt accaagatat ctctctcgcc tgacacgatg accaagtgcc cctccactac 420
gaatttcagc tttt 434
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<210> 23707
 <211> 417
 <212> DNA
 <213> Glycine max

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<400> 23707
atgaggaagt gtaaaagggt gaaacttctt gcttttattc gttgaccaca gagggtgacc 60
tggagatatg tcacggtggt caagagatct tggggacgtc aggtggggtg ctattgccca 120
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aaaccaagct tgaccaatcc cgaccaacc cgggcatagt cagccagtga gaacctgtga 180
 tgtacctaaa caggcgaggt cctgacagtc aacagataaa aggaacaaag accacaaagc 240
 aaggaggctt gtgtggtggc tggccagctg tggactttga ttgatatatg ggatatggcc 300
 tctggtaatc gattaccaag ggtgggtaat cgattacaag gcttaaaaat gaagacaaga 360
 gactaagatg gtctctggta atcgattacc aaggagtggt aattgattac caggctt 417

<210> 23708
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23708

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 attcacaaat accttgtgcc atagttttaa actcagattc agcactagat tgaaccacaa 120
 cattctgttt tttaactctc caaattacta agtttcttca agaaagggtgc aatatccagt 180
 agtggatctc ctattagtta ctgaccctgc atagtcaggc atttgtaagc ttcaaggatt 240
 gtattaacat ttccctttata taaaattcct cttcctagtg ttcccttgat tgcaaaatcc 300
 tataagtgcc atgtaagtga acttctcttg gacaatgcat aaatttgcta accaaacttg 360
 tagtgaatgc agtatctggc cttgtgtgag agtcagacaa gatatntaat ttcccaacca 420
 aacattgata catctc 436

<210> 23709
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23709

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 atgacgactg agaaaactgg ggcaaatgaa gaggggtgaga aagagggaga aacctatgct 120
 gtgactgcca ttctatacag gccaaagtttc ccaccaaacc caacaatgtc attactcggt 180
 caataacaaa cctcctcctt acccaccacc cagttatcca caaaggccat ccctaaatca 240
 accacaaagc ctgtctaccg cacttccaat gacgaagacc acctttagca catacAAAA 300

aaacaccaac aaaaaggaat tttgcagcaa aaagcctgta tggttcacc canattccgt 360
 tgtcatatgc taaacttgat cccatatcca ctcaataatt caat 404

<210> 23710
 <211> 432
 <212> DNA
 <213> Glycine max
 <400> 23710

actcagcttt ccaagctacg gtaaactctag accttccatg ctagaagtct ccacagaggg 60
 cattgcctcc ctgcgccagt attatgatca gccgttgagg tgcttcacct ttgggggactt 120
 ccagctatca cctatggtag aagaatttga agagatccta ggatgccctc tagggggaag 180
 gaaaccatac ctcttcacag gggttttatcc ctcatagct agaatttcta agatagtcca 240
 aatctcggcg caggaattag accacagaaa gcaagtcgaa aatgagggtg ttggaatact 300
 gagaaaatat ttggaggcaa aagcaagaat cttggcaggt aaaggcgaat gggccccgtt 360
 catagatatt cttgcactgt tgatcttcgg aggagtcctc tttccgaatg ggatgggttg 420
 gtggacctag ca 432

<210> 23711
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23711

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 gaagcttttag cttgatattgt tttcttattt ataacttaa acattttttc ccttgaggag 120
 tgctaggaat actctctcta acacactcct tcaaacacac tctcacttat tgggtaaaat 180
 ttattgaaaa ttacaaaaaac aggagagaga gagagtcatt aaataggata tgggatccgc 240
 aatttttttt tatttccaat aaatttcaac caataggagg gagtgtgttc aaaatagtgg 300
 gttagagagc atattcctag cattgctctt ttccctttta tcaaactctt tgaagtattt 360
 taaagtttat tatctattag acattntaat gcaagatgaa gtanaaataa taaacagaga 420
 gtaaaaagat cctatggt 438

<210> 23712
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23712

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 aagttattgt aatttgaatt tgttcagagc ttcaatattc aaattcgagc gtctcgatat 120
 attacgggac tcaatcagac atccgagtaa aaagttattg tcgtttgaat tggatcagag 180
 cttcgggtatt caatttcgag ggtctcgata tattgcagga ctcaatcaga catacgagta 240
 aaaagttatt gtcgtttgaa tttgctcaga gcttcggaat tccattttga gagtctcgat 300
 atattacggg actcaatcag acatccgagt gaaaagatat tgcgttttga atntgctcaa 360
 agcttcggaa ttccatttcg agcgtctcga tatattacgg gacttaatca gacatccgag 420
 taaaaagtta t 431

<210> 23713
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23713

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 agtctcattg aaatctcgta caaggatggg tctttgaaat ctctgcatca tgaacattct 120
 ttttttggat tgtgaggggt cttagcaatc taagactaga cgatctctca ataatagttg 180
 cttccttagc aatccaatt ctctatttgc aattctactt tttttctctt gaatgtggga 240
 taacatcttt gtttttagtt ggttcctttt acatatttat aggttttggt tcatgggttt 300
 ggtgttttcc ccatgtgtct tttcttgtag cttttccttt taattaatat attttcagtg 360
 tgcagtcttt gctactgcat ggtcttttgc ccagaaaaaa aaaatcaaaa taataactaa 420
 atgttntaaa tata 434

<210> 23714
 <211> 428
 <212> DNA

<213> Glycine max

<400> 23714

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tcgagcaaatt agtttagtat ctacgaccat gcgggagctg aggtaaaatt cattaatgag 120
ttgggggatga gcaagagata taagtagtga attgtgaatt tatagtggat cgagtgaatt 180
ataagtcaaa acatagacat tcattcatca ataccgacgt ccccatccaa gtctagtatt 240
tctatcttta ttttaattatt ttattgtaat ttaattttta ttgcacttta ttttatgtta 300
tttatttctt gacaatcaca aaataaaaat aaaaaaacct agttcttagt taaataatta 360
catgaaattc ctcttttatt tctttatgag acgacctaga cgatagttcc ttactacatc 420
atgattgg 428

<210> 23715

<211> 446

<212> DNA

<213> Glycine max

<400> 23715

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tctcattaag ataaaaacat tgatcgtaac ttttatccaa agtttctaag ggatcaaata 120
caaccttggt gttagtacct tccttttgac ccttgcagag agaccaaggg gtgggggtttc 180
tgctgcatga tttgaaatga atgtccacgg agtgagtgtg actgtgtgac tgacatgtgc 240
gtgaattaaa aaaaaaaaaat ctaacaaaat tctaaaaata tcctacgga acttttaaaa 300
gaaaaatggt gtttctaccc acaatttata caacactttt tataacaaaa agaaagtgtg 360
atataaaata aataatatgt tgaaaaggcg agaaataata tatttgtaaa aagatgttac 420
aaagttttta aatgaaaata atatct 446

<210> 23716

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23716

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agataatgga tgagtttata acaattgggt ttagaatgaa catgtgtagg gatccttaaa 120
 ggatcaaatt gcagtttatt ttggaatggt tattgtattg taatTTTTcc tttatcatta 180
 caatcatgag attgttatgt tcgacgggcc aattgatgcc ctaatgtgaa ttgggtgata 240
 aaattgagtg ctcttgggtg ttctgtattt tctaacctat gatTTTgatt ctgatatgat 300
 tatgtgaaat tgtttgaggg gttttactcc ccatgttatg agaattattt ctgtataatt 360
 catgtatatt tcgaacaaga attactatat taacgtgaga actagattgt tggaaacatt 420
 attt 424

<210> 23717
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23717

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 cagcggctac tctcactcta ttcacataca tactaagata tgcaccgctg ttttgtattc 120
 tttcttntga gtgctgacca tacgtggggg aggtgctatc atgactaata tacttcacgc 180
 ctacatgtgg atgggctaatt accaggaatg tccgccagtg tccattctat tgccttcccta 240
 tactttttga gaactgacat caacctagcc tcttgctcat ctacaaagggt ggctgatata 300
 atcaatgtaa aactcttcgc ttcataccat tcaacctata tcaaatttga tggcagatgc 360
 taaaattctt gagcggctctg gtccacagtg ttataaggag atggcttccc aacctatata 420
 tcataaataa aggcataggc ttgtgtacct cctgaaacat cgcgtcttct atgttactct 480
 acagacataa ccttcagtat gttcacaccg ctctgaatct cggcg 525

<210> 23718
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 23718

attctcacta gtcctcaact ctcatagacc gccctcacca ttaccatcgc caacaccatg 60
 ctgatttctt cttctttcat cattctcagc tttagagatta cttatttcaa tcccatggct 120

tacacccaaa gaaaccaatt gtctttgttt tacctctaaa gcatgcctga cttgaaactc 180
 attttctaata ctttgtgcca actctttgtc cttctctact atggctaatt cagattcctt 240
 gagatgccat tgaaggatgat cttttatggt gctcctcttc agtggttgct ctcacgaaag 300
 ctgctttcag tctctacatg agcaatgctt agacaacctt caggttgcat cactgctagc 360
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 tcttg 425

<210> 23719
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 23719

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 tttctttacg aattccatca taactaagaa aacaccatgg caccctata acactcgac 180
 cacaaaaatg gataatgaag agggcgagct agaacagatg aaggccgac tatcgacctt 240
 aaaagatcaa atgtccacc ttacgaagac tatcccagat gatttaagcc atgcccttac 300
 tatctagggg caacttccac cttatgaaga ctatcccggt caagacgaag gtgaaggaga 360
 taccatctt ggccacctgt tcacctata atattgtgcg cacatgaact accccaacca 420
 aacatagtac ggcat 435

<210> 23720
 <211> 358
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23720

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 gtgggtgcat tatcatggct acaaaccacc attgaaggat cttattgaag ctcaaagac 120
 tagcctccat agaagcttca taagcaagct tccaacaagt ggtatcagag cacatgagct 180
 tcaagtaagt gctccttata cctgcactaa ttttcagctg tactttctcc tccattgctg 240
 gctcttcgat tctctccatg catcttctca cgtgtcctgc gctgaatggt gtctacatat 300

atTTTTataa gttccaccga tcaagcatgc tatagaagct aaattagact ttctatgg 358

<210> 23721
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23721

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attgaaaacg gaagctctta taaaattcaa acgacaataa atttttactc ggatgtccga 120
cagagggccg tattatatcg agacgcttca aattgaaata agaagcacgt agcaaattcg 180
aacaacaata agttttcact tggatgtccg attgagtccc gtaataaatc aagacgctcg 240
aaattgagaa cagaagctct tggcaatttc aaacgacaat aactttatag tcgaatgtcc 300
tattgagtcc cgtaatatat cgagatgctc canattgaan atggaagctc gtaacaaatt 360
caaacgacaa taacattata cacggatgtc cgactgagtc ctcgtatata tcgagacgct 420
ctaaa 425

<210> 23722
<211> 430
<212> DNA
<213> Glycine max

<400> 23722

gaagttagaa aggtttagag agttaagaga ttcaattgga attgtatgtg taaatgcaac 60
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attcagttaa ttacctatta agggagttag ttactcttaa ccaatgtttg ttacctacta 180
tataagcaag gttcataata ttgtatatag agtattatta agtttgctat caatatagtt 240
ttttcattca ttcaattatg tgctttactt ttgaatgcat tcgagtgagt ttaacaacat 300
aatgtaatgc ccctatcttt gcaaagggtg gcaagatggt aatgactata atgaagtcaa 360
ctctagtatc gctcaacttc aatttgaaga atagagatag agcctcaaga ggctagtcac 420
gcattacaca 430

<210> 23723

<211> 386
 <212> DNA
 <213> Glycine max

<400> 23723

gatagcacgc agactctaac gtcgtcttct gtgcctttct ttaatcgcg cgcacaagcg 60
 cgggtggactc atggagatatt acgtcatctt ccgcgctcac aagatctgtc atattgactg 120
 ttgagtcacg ctgacaggcg gaagttcccg agtggttatc cgtataaaat ttatgttgcc 180
 tgtaagatga aaagcctgat agcacgtaga gactaacgct gtctattgcg gtcttcatca 240
 atagcgagcg acaagcccgt ggacacgcag agatttacgt tatcttcttg gcttacaaga 300
 actgtcatatc tgacttttaga gtcacactga ctggaggaaa taccogaatg gtactcgtat 360
 aaactttttg cattttgtag actaaa 386

<210> 23724
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23724

aggaggtttg tgttcgatga tngcggtcgt tagatacgaa cactcgaccg tataaggggc 60
 tagctagggt acttgcttcc tttgatccag gcactcnctg gttggactgg ttatgtgagc 120
 taagggaggc tcacaatcta ggggtgcatg acacgttgca cgacaaatca ttgtagacag 180
 agatgatccg ttaatggcac tgtogaatcg ctctgtaatg gaagatgtca ctgacactgg 240
 cgagttgtcc ttgtactaat aattacgaat ggcgagaacg tctgctttat ataagcgcac 300
 tccttcgaca tttgatgtgc gtgctttgaa taatgactca cttattggaa atgcttgcta 360
 ttcacaatac tcgtgatttg ctgaaccttt aggcggtgaa gtcagctgta tcgtatgatg 420
 ttcataatga aatgtgtgcg gggtgacaga agttattatg atttaattat ttgaccg 477

<210> 23725
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23725

agaggaattg tgcttgatag ctgtanancg ctaactagna cactccgcgc cttattacaa 60
atcaaacaaa gtttatttat ttgagcnnac ncaacagggg aggtgtggat gagtctagtg 120
acatcgcagc atcacttgac cagctctccg gttatgagta tcttctcttt ataaataatc 180
atattcacta atatcgtttt tataaatact tcttatggtg gagttttttc tatctacaaa 240
tgtgaagact cgtatggggg gattgagaga cttctgtcct cggccttaaa atgcaattct 300
caaaacaaat cgcacttgac ggaaaggcaa ctacaatgat ttttaaccct gttccgaaac 360
actntgatat tcattgttca aatcacgaac aaacgtcttg catagtggagc tagtttataa 420
agaacacatt ttttacattt gacaattgca gttttgtgta ccaccatcac cagtctatca 480
cc 482

<210> 23726
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23726

tgacagttag tggacaatct atgagctggt ataacttctt acagagaaac actacgtgat 60
tacagaaagc tcataaacag aatacagagg gcagtttata gatttttgac atatttcttt 120
gaggcagtta tctagtcaca gaatacagaa agctcataag atcagctgat acctgngaatt 180
ctgatagccg aaatccacga ccaatcttct gattaaatcc aagcacaaca atcataacaa 240
cagtcactat gttgaccgca aaaactaaaa cagtatgaga tattaaggga aaccaattca 300
tatatatata tatatatata tatctgtata taatcaatgg actagctgaa agctaaaatc 360
tcgaaatgaa taaggatata tgtcttcaaa acagtcggaa aatctctccc catcccatc 420
ctgtaaacca tga 433

<210> 23727
<211> 445
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23727

ctcacatcaa ccatgctaga tggtacaatt gttattaagt gttgtgtctt atcaccaatt 60

ccaaggtgta ttacatttgc atgtggatac atgtctaagt gcataagctt gtgtgtctct 120
 caatctgata ctatcaggat agttataacc tataagtctt tagcacatgc atcgtaagat 180
 tctaggacat gtcatatgac aaagtgatca tgaatatcca aaggagtaaa aagtcttgac 240
 tagtcatgta tatattgtta ttgtatttat acatcccaat tntcttctac tttcactttc 300
 actccatttt tcttcccatc ttttccttta tttatttatt tattttatttt tatcacattc 360
 ttatatctat caatttctct ctcttagctt cttttatctt tctctctctc ttttatatat 420
 atatatatat atatatatat atata 445

<210> 23728
 <211> 453
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23728

aagaacgtgg ttgatgcctg ctngaccgcc ctttagtatg caacactccg cccaaggnc 60
 anacgtagcg tgcgatacgc gntttctctg gtatatttca cgacgaacct tgggcggtgt 120
 gctgtatctg ttcgacacgc atggataccc gcgattctta ttgacgagag gacaaaatgg 180
 aacagcacag aagataagca gtgggcttga ctaagatgac atgacatatg aatgtgcgac 240
 aatctaactc cttgtggcaa tatttacatt ctactgagga ttctcttggg agcgggacgta 300
 cagacaagcg tgtgactcta atactaaaaa aaatggctga acttgaaggc ttatcctggg 360
 accgtcagtg gagtattgct ggtagaggg atggaaaaaa attcactgcc tccatactac 420
 ctaggactgc attgcgcatt tcaaagataa aan 453

<210> 23729
 <211> 436
 <212> DNA
 <213> Glycine max
 <400> 23729

tcttccatat attattcgcc tgaatcggac ttccgtttta tttgttatga ccatttgaat 60
 ttctcgagag cattcgttgt tcaatttcga ggggtgctgat gtattatgcg cctgaaccgg 120
 acttccgtgt aacaagttat gaccatatga atttctcaag agctttcggt gttcaatttc 180
 aagcgtctag atatagtttg cgctgaatc ggacttccgt gtgacaattt atgactattt 240

gaatttctcg agagcattcg tggttcaatt gcaaccttct cgctatataa cgcgccctaaa 300
 tcggacttcc gtttgaaaat ttatgaccat tcgaatttct cgagagcatt cgttggttcaa 360
 tttcgagcgt ctcgatgtat tatgcgcttg aatctgactt ccgtgtgaca atttcttacc 420
 attagagttt cttgat 436

<210> 23730
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23730

tgcgagccaa gttcaaaggc cctacaattt gtctcagtat aaatcttatg tcccttaagc 60
 ggatgttcta ccaaacaagt gatttcgatc aactaatgaa agatctaatt cacattttaa 120
 agaattcaaa gttaatagtt tggcacttca aagagaaaga accattgaag gttccgggaa 180
 gagatattat gacaacccaa atcctccatg ggttaataga aatatgtcaa aaacctagtg 240
 gagaaggcat canaggatga ggagagattg aatattggca atgcaataga aaaatggtgt 300
 cagaccttca atctttgata gaattagtga agggccaccc cttgggtttaa aaagaagatg 360
 caatcaagga tcaagaggaa aggaaatgat aaatgactct ttcgaatatg gcttttacga 420
 atcaatggaa gccatat 437

<210> 23731
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 23731

gctgaatatt gcctagagga cttgggttgat tatgtcgttg gtaaagaggc ttatgatggg 60
 cctttacttc ctttagcaaa tggcaatttt gcactctttt cagaagcatc aaaaggagtc 120
 tcttatttca tttgtgatga atttgaatat aagctgatgc agccagtttc tgatagagta 180
 attgatcaga acattcctcc caatatattg aacaaactca ctggtattgc gatgtcctca 240
 aagaccaatg ttattctttg tagtattcac cattttgctc agctattccc tgcatttatg 300
 tcagctgact ggaaatatag gagtaaaagt gttctgggac cctgaatctt gtcgaaagcc 360

aacgtcatca tggtttctgc tattctggca atat

394

<210> 23732
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23732

ttacatccaa acagctcttt agaaaaaaaa aacttctttt taattagtct cataatctcc 60
ttcaatcctc gtgcataaaa ttttccaaac catttctttt tcttttctta ttggaaaggg 120
atttaatttg gctgaaccat tcagtgaaaa gcattgaatt gcaaagttta tttatagtga 180
atctatacac tctaaaaata gaacctagga aaggataatg aaactagtta ctctatacta 240
aataatgaaa taatgatccc agtaatcagc acactataca tagattctat ttctacatta 300
ataaaagaaa attcaaata tntagcgaag aggacatgag agactccaag agaataataca 360
agaagacatt ctcaaacgga aatggaaaaa gcaaaagaat gtaaagaaca aatgcccac 420
aaaaacaaat aaa 433

<210> 23733
<211> 390
<212> DNA
<213> Glycine max

<400> 23733

tatagcttcc ataacatgct taatgtgtcg tttatttaat ttttagtttc aaatgtattt 60
caatgtgtgg aatctttcct caatttaagg ataagcagga atatttatga cataagttct 120
aataggtaat agcactgtag gataagttat tggtttgtat tttagatgtc attagattat 180
gatttttcga gaattctagc ttctctatgg aataataata catttcaact tatctttttt 240
tttttggggc ggcattggcg gaatcagcat ttcagcttga atataattta atcaatggct 300
gaatttgga gttctcatgc gtgggaccga ttaatggaat tatttgcttg atttaaggat 360
aggtagaaaa aaaatcaaac tgcctacata 390

<210> 23734
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 23734

tgaaattgac aacggaagct ctcagaaatt ttaatgtcat aacttttcac ttggaggtgc 60
 aattcatgtg cataatatat cgagacgctc aaaattgaac gaggaaagct ctcgagaaat 120
 tcaaattggtc ataacttttc acacggaggt cagattcagg cgcataatat atcgagatgc 180
 tcgaaattga acaatggaag ctctgagaa attcaaatgg tcttaacttt tcaactcggag 240
 gtccgattca ggcgcataat atatcgagac gctcgaaatt gaacaatgga agctcttgag 300
 caattcaaatt ggtcttaact ttccacatgg aggtccgatt catgcgcata atatatcgag 360
 acgctcgaaa ttgaacaatg gaagctcttg agcaattcan atggtcataa cttttcacat 420
 gga 423

<210> 23735
 <211> 491
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23735

ggtagggttta tgcctgcttc gactgcgntc agttaagtaa canccgctcg cattctanaa 60
 atatattata ataaataaat ttttgttcac ttctgaattc cgaataaccg gaggagccat 120
 ccacaatgga gttcctccaa cgtctgtagt tatcaaacia tattcatatc cagccaaaat 180
 gaattgcact aatctatatt atcattaatc cattgtgggt acctttctcc attatataga 240
 tcttgataaa ctgtgcaaga tataaccaa atctgcgacc tgtacataag tgattaagtc 300
 taaatgtacg ctgtgcgatt accatttcac attgatggaa aagaatagtg ctacaatatc 360
 aatatgagaa agatgatcga taagtcatac cattgggaat tacagaagtt atccaagaag 420
 aggatagcta gatcagggtta ataagcccga ctctcggat atatatatgt nctacatccg 480
 ctacccataa g 491

<210> 23736
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 23736

taaaaagcaa agtagtaaga tacattgtta atgaaacgta taataaagaa taatggcctc 60
ncaaacttct aatgctgatg gttttctgtt tggttatcca acaacatttg gatccatggt 120
ttctcaattt aaagcatttt tagaagacac tataagcctg ttgtggctta cacaggcact 180
agcaggaaaa cctgtagggt tcttctctag cactagtctt caaggagggt gacaagaaga 240
gaccccatga gttatattaa ttattactga attcttcaat attcatgatt aaggtttcca 300
tcaattaatg gttattttgt atatatccac tcaacatgcg agaagtcaga tcaaactatt 360
agtcactact 370

<210> 23737

<211> 418

<212> DNA

<213> Glycine max

<400> 23737

cttgagaaaag aaaacacctt agcggcggtta gcttagtttg gagctaggtc atgaaaggag 60
ggctgtctac tagtgagggc tttcaagttt caatcttata cgatgacgag gaccagcagt 120
ccagcacaac aacacgacat cgatgacaag gaccaccacg atgcgagtag ctcagcacc 180
gaaccaaact tgaataaggc agagtgaagt agtagacaga gtcgagagag tcattttctg 240
gggggttttcg tacgatgcta tattcggttt tcataaacc gcggattcgg aacagactcg 300
cgagtctacc caaactcgct cgagtgtgcg ctgaatcgga cgagtctact tcgtttttga 360
ttttgctatc gatttaactc tgcgaacctt attagaatcg tagaattgta cgatttta 418

<210> 23738

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23738

atccttatgg cctgcctcgg gacttcaccc cccgtgtcta ccccggaaga ttttagccaa 60
gcccctactt tcgaggggca actccacct tatgaagact atcccgggca agatgatggg 120
gaaggagata cccatcttgg cccctgctc cacctcaaag atctgtcccc acatgaacta 180
cccccaaccga acatagtccg ccataccccg gcctcaccca cacctttaaa agaatctgtt 240

cccttcgctg aagataaggg aaagattgag gcgctcgaag agagggttaag agcagtcgag 300
 ggccttggca attaccatt ctcggttcta gcggatttat gtctcgtgcc caatatcgtc 360
 attcctccca agttcaaagt accggactnt gataagtaca aagggacgac atgtccgaag 420
 gggcatcttc ngatgta 437

<210> 23739
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23739

actaagctcc ggagtttcca gtgccaatnc gtcttcttct ttagtccatt cttcttctgg 60
 cttcaattct tcagtgggct ttccttctgt gtccagcate ttgggatggt cccagccttt 120
 gatgacagct ttccaagttc tgctatccag tgatttgagg aagggcacca ttcttgcttt 180
 ccaatattca tagttgcttc catcgagaat aggtgggtctg ttcactgggc cgccttcttt 240
 ctccatgttc atcagaattt atctccctag atctcactct gtgatttcga gtgttggtctc 300
 tgataccaat tgaaattctg ataccaaggg acagatgtcg tacaggatgt cagcacatca 360
 cgcttcagaa catgcagatt atatgtgtgc gtatgaacag attaaacaag tgaataacac 420
 acgagaattg ttacc 435

<210> 23740
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23740

tgtgaactat ctttgaattc actaaatgta tatagaaatc tagtttactt cctagtttta 60
 tgttcttctg aaaatcaaaa gcatatattg tgacatgcat ttgactatac atgtcatatt 120
 ttatgtcata ttttaagtgg tgcagaagac gaggaataag aatggaaggg agaaagatgg 180
 taacatttta tgctaattgat tcaaatttaa cgtgagactt aatataaaat ttaaattact 240
 tttagaatca aaatgattat aaatgataaa atttaggaac caaaatataa aaaagtaatt 300
 caattcgata actaaattta ggttgtgatg tcataagtcc taaaaataa acaataaaaa 360

atcaactttc attntagtca tggattgtca tgtattcaaa caacatttca cataaatagc 420
aacattaacc 430

<210> 23741
<211> 441
<212> DNA
<213> Glycine max
<400> 23741

ctcgagtggc gtagtagcaa aatatagttg ctcttgcctt ctattttaat tatagaaatt 60
caaggggcag tgtttttagg ataataaaat aatatgaaga atccttttgt agtcttgcac 120
ttcttgactt tcttttatcc ttattagtta ttaattacta tagtaccttt gatttaattt 180
acttgattcg gtaaagctat gctgtcttgg tttctgtgag gcgaaatagc tattcctctc 240
ctgatagcag caattgcaaa ggcaattgtg ctgtgagttc atcactatat gaggtagcac 300
agtagcacct tatcaatagt cttctcaaga aaaccgttta tgaacctttt tcaactgcgc 360
tcgtagctat ggagtatgga tagttgcaat tacatatcat acaatcactg cacctcgttt 420
atgaaccatt ttaactccta t 441

<210> 23742
<211> 428
<212> DNA
<213> Glycine max
<400> 23742

aagaagattc ccaaagaaga tagagcttag ctacacttac ctctctaata gctaagggtca 60
cctccttgag atgagaagct agagcttagc tataaccccc ctataataac taagctcacc 120
cccatgaaaa atacatgaaa atacaaaaaa aaatccctac tacaaaagact actcaaaatg 180
cctcgaaata caaggctaaa accctatact actagaatgg cgaaaataca aggcccaaac 240
gatggaaaaa cctattctaa tatttataaa gataagcggg ctcatactta gcccatgggc 300
tcgaaatcaa ccctaaggct catgagaacc gtagggcctt cccttggatc tctgacccaa 360
tctacttgga gtcttctatc caatgccctt gcgggtagga ttgcatcagt gtctccccctc 420
ccctcttc 428

<210> 23743
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 23743

tatcaaggta ggttgcatat ccatgttcat cattgatgtt gtgacattgt agaggcaatg 60
 ggcatcattg gaatggacct tcttagcctt attccatata tcataacaag taagaaaagc 120
 ctgaaattgt tgttgaagat taggaccaag agtgaaccag agaaaattac acaatgaagt 180
 atcaattgct tcccatggga ttgttctgag gtgggaatat ccttcaccta agttgtcaag 240
 tgaccagcac aaccttagcc ttggaaccaa agtcaacaa cgacggccca tgtattgtag 300
 ttggttgtct cggttaattt ttcacatgga atcaacgata cataagtga agtcataatg 360
 gaggaagtgg aagcaagatt ggaagcatcc atgataaaaag taggaaccaa acaaggctaa 420
 acaaaaatag a 431

<210> 23744
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23744

tctaaactnt atacaagaat gaagctctgg taccacttgt tggaaaagtg gctcatata 60
 tcttaagaag gaggggttga attaagatat tacaaattat ttccccaatt aaaaattgta 120
 tttaactttc tattcaagtt attaattccc ttaataatga atttcttaaa tattgattca 180
 aatagaacaa tttgaatatg aatataaaac aataataaat aaaggagttt aaggggaagag 240
 aaagtgcaaa ctcatattta tactggttcg gccacaccct tgtgcctacg ttcagtcccc 300
 aagcaaccgg cttgagagtt ccactatctt gtaaattcct tttacaagtt ctaaacacac 360
 aaggacaatc cttcctttgt gttntgaatt ctttcacaac aagagaccct cgggtctctta 420
 atcccttttc 430

<210> 23745
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 23745

tcattaagag acttcctcaa gaggtcttctt tgtaaatcta gatccttata taccacacc 60
cttctatttaa cttaaattaac ctccctgaaa ataattacgg ataaaaaata acataacaaa 120
taatcaaaca tcaaacataa ttactaataa tatatagata tatatatata tgagggtggtt 180
acattgggttc ctaagttgtg gttcttttatt gttggagggtt tgaaaacaaa aggtaaaaga 240
aactatgggtt gaaactagcc aaaataaaca ctaaaagagg tgtgaaagat aaggtaaaaa 300
actaatcgggt aaaaggaaag ctatctaagc ggtttgacag tggaaggtaa aggaaataag 360
ctacgaaagt aagcaagaaa tgtaaactat gcgaatccta agagtgtgtg gatgaccaca 420
t 421

<210> 23746

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23746

tgtgcaaatac aaatcactcc tacatttcat ctctagcttg cattntcttt ctttaaccac 60
tcctcacgtt tggtttttta gggaaaaaca ccataactaa acgcgcgcga accagatcca 120
aatctagaac gatgggtgat caagaggaga cgtaggaaca gatgaaagcc gacatgtcgg 180
ctctgaaaga acaaattggcc tccatgatgg aggccatgtt aagtatgaag cagctcatag 240
agaagaacgc ggccaccact gccgctgtca gttcggctgc cgaagcagac ccgactctct 300
tggcaactac gcaccatcct ccctcaaaca tagtaggacg gggaagggac acactgtggc 360
acgatggcag ccctcacctg tgatacaacc gagcggctta cccttatgga tt 412

<210> 23747

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23747

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ctttgtcacg ggaagccgga aggtccatat caccttctta attgtacaca tggggcactg 120

cgcccccaaa tgcacaagta agaagagata attttccggg ctctcgtgtc cgtaaaatgc 180
attcatatca tgcacgcgat aagcatctct tcataacatc ataatggaca tatcctgcat 240
ttgtccgtta tcatattcca gcctcatatt ttgcatgagt catggcatca tcatgcatat 300
gcgttcaaca aactttttga tctgcaaaat tgcataccat ttgttttcat gtttgctcat 360
cctcgcgtn tccctctacaa aacanaaaca aaaaaggggg aagcgtgaaa cttcacacta 420
cattcttagt ttcatg 436

<210> 23748
<211> 420
<212> DNA
<213> Glycine max

<400> 23748

cttcttatct aaggctcatc ttgggtggtga ttcttcttct tccatggctt attccttagt 60
ggatggcgcc tgcctcacc tctactcctt tgtcttttgc tgcaccca tgggtggaaaa 120
tcaccattaa aggacctcat tgaagctcaa agattcagcc tccatagaag cccacaagc 180
aagcttccat caagtggtaa tcatagcaca agagcttcga gtgggtgctc cttaaactc 240
cattaaatct ttttctttac cttctcttcc attgtcgctt cttcattttt ctccatgtat 300
atcctcacat gtgttggtgt aaatgttggt aacatgattc ttcagagttt acaccgacta 360
aactcgctat agaagctaga tttgattttc tatggtacag atatcttggt cttgttcttg 420

<210> 23749
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23749

tgaaggagcg actaggcatg atgganaaga gtatgcttgt aattgtcgat caatatgagg 60
taaagatggt gagggagagg caagttcttg ctactataca tggacaagcg gaagtgctag 120
ccttacaggg tgaaagagaa gcaggggagg aagtgataga gctactacat caagaaagta 180
ggaagtagat gaataagttt gcgctcacgc taaatgagag tcaagagccc ttgaaactgc 240
tagctagagc caaggcgagg gctgatatat actctgctct cgacgaaatt catagtctct 300
tcgataacta ctagctcatg gttgaactga tgactcacat aattaagaac cgctgatgca 360

cttgttattt attttttggtt gtaccctgat gcgatgtaat gaaccaatt ntggtttcat 420
gaaaaaatg 428

<210> 23750
<211> 441
<212> DNA
<213> Glycine max

<400> 23750

tctccttcct tttcctataa ataggggaag gagggaataa cataaagggtt caacccttct 60
ggtatctgag attcacttaa aattagtgag aaaaattggtt tccgttggtta gtgcttagct 120
ctactgagct ttaaaagatt ggctaagatt ttgttaaaac ataagcactt agacaatgaa 180
ggaaagctgg agttgctgca catgatgtcc aacgttatgt caaagaataa gatcgggctg 240
cacaatgcac aaggcaagat gaaatgtcaa atgaagaatt gaagctgcat gattcacgat 300
gtcggataca atgtccagga catcctgccc gaaaatactg gagttgctaa aagcattgaa 360
gctgcaggat ccacgatgtc ggatacaatg tccaggacat cctgcccga aatactggag 420
ttgctaaaag cattgaagct g 441

<210> 23751
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23751

gtgagaaaga cccaacattt ctacctacta ctatcacttt tactttgcat tntatagttt 60
ttagcataaa agttagttaa aattctgttt gaaattatca atcatacatg ttctctcaac 120
aatgcttcat tcttggaactt aattcaagct aacattagtt ccctgtgttc gatactcaga 180
ttcatctgtt ttaattttta aatacttgac gatccggtgc gctttgcggc aaaccggatt 240
tcccttgaat atatttgaac gaagaaacaa tggaacaaaa agcaactgta ggggaaatcc 300
aacaatcaga atttgttttg atttcatcaa tgtgaaaatc ttcatattt ccatctcttt 360
tgcccttggtg atcttcttca tgaatatgca tttcttttaa tgattctgaa acatcatcta 420
tttttctaac t 431

<210> 23752
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23752

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 gtggaggatg gatgaacgac aatcaattcg tggggctccg aataagattt gatgatggag 120
 gatgcatgaa cagcgctagg caatcaattc atggggcacc gtactcaatg gttgaggatg 180
 catgaacgac aatcaattca aggggcttcg aataagcttt gatgatagag gatgcacgaa 240
 cagagtttgc caatcaattc gtggggctac ggactgaatg gtggaggatg catgaacgac 300
 aatcaattca tggggctgcg aataagatgg tggaggatgc acaaacaaca ttatgcaatc 360
 aattcgtggg tctctagact caatggtgga ggatgcatac acgacaatca attcat 416

<210> 23753
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 23753

ttttctcttc taaactaata ggcttccttc ctgttatgtt tccttttctc ttctaaacta 60
 ataggettcc ttctgttag gcttcctttt acccttcacc aattgcagtt gcaaaccaca 120
 atttaaaacc atgtttgcaa tcttatgctt caatttccaa atttatgtcc atttaatcaa 180
 agcaaagtga gtattacctg taagtaggag acactctgag gcctaagata caaccattt 240
 tcaagaatgg ccagaaaaga gtgaccacat tcttaatgat tcgctaaata attctaggct 300
 acaatcctta ccaattgaaa ttgcttaatt gggattaaga tagaacgaag cagcatgaag 360
 attactatgt aattgcaaat cccaatgagt atcaattatc ttccacactt tcttatattg 420
 tgactcttga ttcttgaaat 440

<210> 23754
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23754

tgtccaaaat ctactaata ttaggcaact gtatctggat ggtgtaagta tctcagttgc 60
 aggacatgaa tgggtgcagcg ctttatcgtc gatgcttgac ctgcaagaaa ttcgcatgtc 120
 caagtgcaat ctctcgggac ccctggattc ttccttggca agacttgaga atctatcagt 180
 cattgttctt gatatgaact atctatcctc ccagtgcca gaaacatttg ccatttgaa 240
 aaatctcacc atcctacgcc tttctgagtg cagattgact gggacatttc cacagaagat 300
 cttcagcatt gaaacattgt ctgttattga catatcactc aaccaaatac tcaatgggtt 360
 ctttcctaac ttccattga gcagatcact tcagacctta naagtaagaa acacaagctn 420
 ttctggagca ttt 433

<210> 23755
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23755

gaagttagat atatcttatt attataatac atgtttatct anttgntaag tatantttgt 60
 aggtagttaa tttgtgggat gttaaattac ggacatagga tatgattgta aataagtgtg 120
 tgattaatat ttgatgtgat attacttgtg ttgtgagttg tgaattatat aaaaacttga 180
 ttggtgttta tcttggaaaa aatatttatg cgtgaagtgt taaaaaaaag tgtagagttc 240
 caagttaaga acctgaagtg ttaaattgta ggcgaatgtg ttaaacgtgt ttaaaacaca 300
 agtgtgaggt cgtaggtatt gtataattca tgaacaatgt ccgcgtgcaa aaattatttt 360
 tagggttgga cctgaatcan gaaggtgagg ccctaacgaa ttcttcggag tctaggtctt 420
 gggggtaaag acac 434

<210> 23756
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23756

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 ggaggaggtg ggtttatggc ggngagagga atggacgtga caatttgagt gggagaaggt 120

gttggtagat agcttttagga aggaggtaga tagggtagct acaattgata caagatgggg 180
 aggatgtgaa aatcttgaaa aactgcatta cagggaata ctctctcaag aatgctatga 240
 ttttttgttg ttatataatt ttgaacagga tgaggaacat gttttcaagc aaatttggca 300
 tctaccgta ccttgtaaca cacaagcttt tgtggagatt gtttaagaaa attaattttc 360
 tcttcaaatt tgacaataat ttggnnttat ttatttattt atcatccaat catctattta 420
 ttactttata t 431

<210> 23757
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23757

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 ccttatatta gcagaggaca aaacagaaaa ataacagaaa aacttccata tggatttagg 120
 tcatagccca acacataggg acctcaagcc tgagaacttt ctctttgata ctgttgagga 180
 ggggtgctaag gtcaaaacta ctgattttgg gctctccgtg ttttataacc cagggttggg 240
 tgctctctcg ttagatttgt tttttgtgga agatgccgag ggagaggggt tggtcgtggg 300
 ttttggtgga ggtggngatt ctgatgatgt ctttgagttt tccttggcgg aggagctcgc 360
 cgatgcagtc gcttggcagt ggagccaatg ccgaggacca tgccggactt gacatactcg 420
 atgaccttgt 430

<210> 23758
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23758

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 cacaggctat gtgacaaaaa agtcccctcc tccacctgtg gagtttcta cctcaccaca 120
 actcatattt ggggaggaga ttcttcactt cagccaccct cagcaccctc tctcaatggg 180
 ggatctccct gacctgttca attgtgtggg gtgcaaagag tatggctctg gaaagaggtt 240

tgtttgccag caatgtgatt ttcagctgca tgacttctgt gccttggctc ctctgtctct 300
 caaggcacac ccctttcact cacaacactc tgtcttggtc cattccaaac caggtaaacc 360
 acgtacatac atacatatac atatattcat gagtacaatt gtacaaatgt aatnttttat 420
 ttaaataatta tatta 435

<210> 23759
 <211> 432
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23759

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 tgtgaaacaa aaggatgatca aataacaagc agaaatttaa aagttactag gttgcctcct 120
 agtatcgctt ctttaacgtc ttgagcagga cgcattgatga cttgtcgggc acggacctag 180
 aactttgctt acctttgggt ttggacttgg ttgcatattg gtcggccatg tgtcgtangc 240
 aatactctaa cctttttgtg gatgagctga gggggctctgg aggtggcggc tgtgcatttg 300
 ttgtctgttg ttggccatcc caagggtggt atgggtgtctc acctctgcc tgcattgngg 360
 cacaatactt cttgatgaaa gtcgggttag taggaggcct gatgaccttg ctgggggtga 420
 cgggcactcc gt 432

<210> 23760
 <211> 434
 <212> DNA
 <213> Glycine max
 <400> 23760

tcatgattaa gtttatgata taagctcgga tgtcattatc ttatttaata agggcttttag 60
 ttgtttaccc aaacatgacc ttaatgtcgc ccatgaagag agaaataaat acaatttttt 120
 cacatgacaa aaacttgtga aattttttaca agagaatcca ttcctctgtg cgtgtgcgtg 180
 tgcgtgtgcg tgtgcgtgtg tgtgtaaatc acatgaaaag ctatggatct acattcaact 240
 ttaaagaata catataagta tattacttac ttcaaagaat tgatctctaa gatcagatgg 300
 ctttcttgta tgttttcatg cacagccctg agaaagggtg cttcaacctg caaatgatgg 360

agtattttaa aatctgatat ccatgcaatg catctgacat gagttttaaag gtcaaaatcc 420
taacctcttt atca 434

<210> 23761
<211> 351
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23761

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caatgataac cgccgcatgc aataaaccta gaaggaaccg ctgcagggca tacatagatc 120
gaccacgcat catatgcacc aaaattaagc aacccattat aaaacctcca tggcaagtct 180
atacgagcac actttacaac ctactatcac ccannaannn anaacnnntt aagcacaaca 240
tcagcgacgc agacaatgga gggaaacaag agaagcatct aactgaagc acagctacac 300
aaccataant aagagggaaa gtggaagccc ttccacacaa tagaaaagcc t 351

<210> 23762
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23762

ccccgaaacc ccaaggcgaa cggcaaagaa aacacagAAC acggaacacc cnccaggggn 60
gnatgacctg gacacgcaac canaaancag cagagaccac caacaaacag agcagcacga 120
caatgtatac ataaaaacca caaacgaaag aggccaaagag gaaaccgaca aagcgagagc 180
cacacacacc cgacaaagca caaaaaaggc agacacaggc gaacaacaga aggagaatgg 240
caacccgaga agcaacacaa aaccaccacc acaaaaagaa acccgagacg caaaagaccc 300
acacagcagc aaaggagcaa cacccaaaaa agacaaccat accaccgacg aacaagagga 360
accaacgaca gcacccaaga gagcaggaga gcaccaagag aaccaacacc cagaacccaa 420
ccgcaacgac gccaaaacag gcgagaccca ggacgccgga caggacaccg acaccacaga 480
gcagggcact cgggacaacc caccacacg 509

<210> 23763

<211> 538
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23763

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 canncgggggt atcctgggtg aaggcttact tgaacgacac ggcaagtctt gttacgtttt 120
 tttcncattc ttccagaanc acaggggagtc tctgcggggc gctcgagaat aaacacctca 180
 ctcaacacta caggccaaat ggcgctcagg gatgtgatct cttatcggta cacccaatgt 240
 ggccgttacg accgaaaaag cgggctagga gacaagttac cgcatacgat acccacacag 300
 agaggccgat gggcattatt cgcggaacaa tgctcgagaga taatatatcc tggcatacat 360
 gcacctaagc tggagtgaga gccaatataa aaggccagac gcggtgacag agtcatgatg 420
 tcggggaggc caagaaagca taacagcatt ggtcctgaat gcacgggaat gcagcaagtg 480
 ggaggaaaac ccttgataga gaaacgtgca caagagagaa aggtccaccc gccactcg 538

<210> 23764
 <211> 222
 <212> DNA
 <213> Glycine max

<400> 23764

ctgcaaaaaa aaaaaatatc agtgataaat ggacaaaaaa cagagcatag aaagtgaata 60
 aaggacaatt caacagtga aacataactca aaaattttgg ccagacaatt ccatcatgag 120
 tagaccattg atgccccact ggcttgcccc ggaacggctt cacctacaat ctagatagga 180
 catggcactg tatcaacca ttgcattcat gcaagacatg ca 222

<210> 23765
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 23765

cgggtgctctc tatcaaaatt gattcaacta accctgtaga cagagttcta ctcaaaggc 60
 cttttgtatc acataatgta tgaatgtcac attggatttg ctcaacatgt gggatgctct 120
 ggccatccgt ctagagattt gttccattgg gattaatgcc acatgccatg atcctaacgc 180

gggtgcaaatt attcctaact ccacatgat ggaagctgca acaagttcat gtaatgcatg 240
accataatca aatgacatgt ttacaaacgt tacaatgag agtgcttcat acatggacga 300
ctagcctttg catggaa 317

<210> 23766
<211> 513
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23766

cacccccgca gatcccatcat acaatagggc acatcaatcc aactcccacc cccaagagag 60
acctttgaac ctggtgtacc ttgcaanacc ggaagcatta atcaaagcga caccagcag 120
gcaaactata tgtaacgcgg ttccagcgca caacagccgc aaagcgagac gcagaacaat 180
ccactgggcg taccattaca ctccaacgac aggggaaacg acgacatgtc caccagat 240
ccgcgagaag ccaaaccccc aatcggcgca tagggtacaa ctcaagacgc ccgaaccgtc 300
tggcctggcg aagataggcc aagcctgaca acctcaaggc accggatgcc gctagtcgac 360
gcgggacaaa acgccagcat tgaagacacg aataaagggc acccncaaag acgacggatc 420
tgagcagact aaggagacc gcaccaacg cacgtcaacc accagggcca cccaaaccaa 480
ggacatcaac ttggtgatga tcgcaacaaa cgg 513

<210> 23767
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23767

catacaacc cccacacgt aagaacacaa gaggggaagc aaaaaaaaaag gagaaatgac 60
ctgacccgaa acaaaanana agggaccgaa gcaaccgagc caaagttcaa tttcacacca 120
cacggggagg aaacgacagc caacacacac acaagaccgg gaccaccca ccaggcagcc 180
cgcaccacgg agacaaaaa caacacgacc gagacaggaa cgaacagcga gggcgagaa 240
acagaaccac cccaggagg caaccgggcc aacgcgcgcg gacacacca agcgacaccg 300
gccgcaagcc caccgccgga acagcgagcg gcaaaacaaa gagccacacg ccagcaagca 360

aaaaagaaa cg

372

<210> 23768
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23768

ccccgcgcag aaggaacaac gagcagagaa aacaaacccc ccaggaggna tgaccgaaca 60
caaccnnaan aacgcgcacc acgacaccaa aaaaaattta atacacaagc cgccacggaa 120
cagcaaagcc acaaccgaca caccggggag acgaaaaaaaa gcgcgaacac aaagacccgg 180
ggggacacaa agcagcccgg accgaaacgg acgaccgaga acagcaaggc acccacagca 240
cgcaggaaga gaaagacaag cggacacgac cgccatcaac cgcaaaacac acacggcaga 300
cccagcccaa gaccaagacg aaaaccgcag aggcacacgc ggtaacggaa ccaacaacga 360
gacgggacgg aaaacgagag aaccgcgcgc caacggaaag acacagggca gaccgcagga 420
ggaagacaac aggaaccgaa acagcgcgac c 451

<210> 23769
<211> 363
<212> DNA
<213> Glycine max

<400> 23769

agcttgatgt cattcaattc aactatgta gacctaaatg aagactaaac atacattatt 60
tatgtaattg tattcattat gogatataat ttgttgtaac ccgttactaa acaattaata 120
ttatcaacta ctcgtttggt taagcaagga aattgttggt ccaacaaaat tcatttacac 180
gtgcagcata cattattgtc ataattgaca acacataatg acatgcatgc gtattacagt 240
ttgagcgcgga caacacattg gctgacttca gtacacattc tgaaactagc agtcgcttga 300
caacacattg gctgacttaa ctacagattg ctgacaacac atatggtgac ttgactacac 360
att 363

<210> 23770
<211> 428
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23770

actcaagctt gagttataaa agatttgctt gatttgaata ttcagttgga ttttttgtat 60
aataccant aatgctcact aaatatatta atacttaa ataaatttaa tttataatca 120
aatcaaatta ttatgaatta ttaa atggta acatgtgtca tccaaacttt aaaaattacc 180
tgccacacat ctcatccaga tttatttata aattctcaaa tttaatatta tagatatgat 240
ttgaacttgt ggacttttct tttgaatttt ttgtgtagat ttttttttat taattttgtc 300
atttttttgt aaatttttcc acaaaatttt tctgcatagt tagttatgat ttatggtttg 360
gacaaaacta tgatcatttt tccttaaata tgcggaaaa atatcatcga attctatttt 420
tgtgtatt 428

<210> 23771

<211> 349

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23771

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cttaacactc tacctctata gcctttcaac cacctacaaa ccgaagttca atggcctaaa 120
agccgcagcc ctatatatca tgtaccctta tttgagcaat tggctctgga tcaggctctt 180
caatgtaaga agaaatggat gaaatcggct gctggaactt gatatcatat gaggaagaac 240
tcatatgcc a tctgggtttc ttgcattcaa ggcggactat ctgagatgag aatgaaacca 300
ccttcttcaa ttggagaaga actctgtaca atctcgaagc atgaatccn 349

<210> 23772

<211> 506

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23772

ccccacaaca caatcaacaa tgaccgaaga tggaggaca acatatchnac acanacacnn 60
ccccgagcgg cnatgagcc gtggactacg aancnnnaan aannaccggg aaccgagaac 120

gaaaccaggg agcaaaccaa gtgatcgacc agccaaccaa cccacgagag acaggagaga 180
acgcggggaca gacgcacngc gaccgcagca aagacaaaga ccagtgaaaa aagcgaacga 240
aagcaacaac acagccatcc gcggacaaca acgcggagac aaaccaccca gacccacag 300
agcaacaaag gaaggcgag aaaccaagcc gccgatgcaa gcacacaaaa aacgaacagg 360
accaagagag ggaaaaaacc ccaacggaga aacaccaccc cccaaaaaaa gcagcccacg 420
aaacagcgcg aaaacaaaga aaacaaagcc gacgcgcagc aagcacgaaa ccccgaggga 480
taccacaccg gcccaaccagg agaacg 506

<210> 23773
<211> 85
<212> DNA
<213> Glycine max

<400> 23773

tttctaatag tatatatatc ttgaagacac ggtctttcaa tatgctctta tttatgaagc 60
aaataatcca agaattgattt tgtct 85

<210> 23774
<211> 527
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23774

cgcaccaccc acgtcctcat agacgaaatg gcgacgacac acaaccaaac tnnacccnc 60
nncccagcgc cggggnttgg aactgagacg gtcgaccac gngacaccan accaaccgca 120
cccgccgggg ncaaacaaag gaccacacac aattctagtt agattgcaa accccacaaa 180
ggccgacggg tcagacagaa cccactccac gacagagaag aaagcctcaa gcgtccacca 240
caggaaaaaa aaacgaccaa tcgcacaaaa caacgcggcg cgcaaaaggg ggcaacaaac 300
ccaagccaac gcgcgagggc agagaccacg cgacaagaac agcatgagga caaaaacgga 360
acggaagatc tcaggcgagc cactaagccc acaaagcact aaatgaagcc cgaatcaaca 420
atgcaacaac agagaacgag aggctcgac aggagaccgc cctgaaaagc ccgacaaacg 480
cctaagagca acatcaggga caccacaggc agaaccaagg cagaacn 527

<210> 23775
 <211> 303
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23775

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 atacgcagcg gacgggcacc taagaaaaaa ccgaacctct tccaggacag acgccgaatt 120
 cgcaaactca gactctacaa agaaaacgcc ggaaaacagg acacgccaca acaactcgat 180
 cgctcaacta aacgcccggt taaactgtaa caggaggacg gcacacaatc ggcgggcaaaa 240
 taccctaaacg atagcacaga gcgaccacat agagaagcga catcagacgg acggccagca 300
 ccc 303

<210> 23776
 <211> 489
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23776

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 gagggggccaa tgaaacgagt acatgcaaac cnanacannn anaaagaacc gacgaagaaa 120
 aagcgggaca acagttgtac tgtacgcaa acccgcacgg ggacgaggag cgcccatcgc 180
 acaaaacgaa gcgaacaagc aacgaaacag cggaagacct caaggacgac ccacagagcg 240
 acgggcagac aaagccacgc acgcagcgaa aggaacccgg cagacgcgca gagccaccga 300
 ccggggcgag acgggagacc agcgaacgga gaggggacac cgaagaggag aagacacgac 360
 gcgaagaaga gaagcgggag cgaaaagagg aacgccgagg aaagatgaac agagggcggg 420
 ggaggaacag aacgaaaaac gccaaagcagg gccagagacc agggaaagaa acgcgaagca 480
 ccccaacct 489

<210> 23777
 <211> 311
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23777

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 actttgggaa aaattggatg ggggaaagac tggctcttca aatctgcact ttatgcacaa 120
 ttttgctggt gaaatgtgca gcataattct gtattagtgc ataaaaatgc tcgtgtatgg 180
 ctgggtgtaa aaagggatc tacatatggg gttctggaca tttgctatca tatcccaacg 240
 gtcaaaattc atacctatgt actagagact tccggttaaa tcttagagtc gatccgacgg 300
 ttaatcgaat g 311

<210> 23778
 <211> 501
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23778

tctcccaccc actcactccc ataacaaacg attgaacaca aagagaagga gaccaccccc 60
 ccaagganaa attgaccgta gacaggccta caaacggaan acacgcaccg ccagccaaac 120
 ccccaaggga agttgacgac cgaaccagcc agcagagcac cgccgaccca agaaaaaacg 180
 caccaccga cacagcggaa agacggagca aaacaccaga gcgacggaca acccgaccgg 240
 acaagcgacc gcgaacccaa cgcgacatag cgagccaaaa caaaaccgct ccataccac 300
 gaacccaaac atcatagaaa ggccagcccg aaatcaacca caaagcctgg ggaccgcaca 360
 cccaacgacg agcaccacca gcagcacaaa ccacancacc acccaagaca agagaattcg 420
 cagcaaaaca cccgcagaga ccaccccaag cgccgggagc aacgcgaagc agcaccacaca 480
 cgcaacggaa acacgcaggc g 501

<210> 23779
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 23779

agcttggcca aactcgccaa tgactttctgc gatttgcatt gtttttacgt aaaaaatagc 60
 cccatagtcc catatcgagg attagtttctg aaaaggagcc catgttgaga aatttgccaa 120

ttatgtattc tttacatggt tgccgttaat atgccctaata tttacctaata catgagataa 180
 tttccactct ctaaattaat tataattatc taagagcaat attgttttgt ctttaaaata 240
 gtttatttat aacttattta gacttattat tatacgacaa atattagtgt ataaaaatag 300
 ctaaatatat gtttaagttgt ttttatctta ttccaataaa tttctaaact aacttataac 360
 tt 362

<210> 23780
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 23780

tctcatgggc ttgtgtcata gtcattttta tacatgtttg cgggtccaccc cattgtgtca 60
 ctttccatgc atcagttttt tttggataaa attgccctca tataaaaagg gcaaggagac 120
 tcttcgggtgt tgttgggggc aacaaacgat atatttgtgt gatttcggtt caacaacctt 180
 aaaagtttga tgcaccttca tcacatattg tttagtgcatt tttttaccgc atctttactg 240
 tcaaaatcca tgccaacata taattcttgt ccaacattaa aagtcggttg tatgtccaga 300
 tcacaaatgt cctcctcgtc cggatgactc caattgatat tattataatg catagcatca 360
 ttccaaaatg gattttgaat ttgtggtaca cctaataatt aataaaaaat catg 414

<210> 23781
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 23781

agttttgaat tgaccagcct gtggctctgt gctttcctaa tgtagtatat atcttgagga 60
 cacgggtcttt caatttgctc ttatttatga agcagataat tcaagaatga ttttgtctct 120
 tgcacagtac tagcaaatca gcatgtgctg aagttaaatg ccatgagctg atgggtctta 180
 gagtctaata ggttataaat tatagtgtat cgagttactt atttattttg agacaatttt 240
 ttttttaaat gtttaagttt aacacacttt ttaaaaagta taaaaacgat taacaaaaaa 300
 ggaaaaaaag aaattcccaa actatgctgt taaaatgtta atcacctctt ctttccat 358

<210> 23782

<211> 376
 <212> DNA
 <213> Glycine max

<400> 23782

ttagattctt ggactgacta tttattatga tttaatctca ctcaaaatct attgtctttt 60
 cttgagaatg tattatgtaa ggttgaatct agatattctc caagaaactc aaaatgtgtt 120
 gaattggtaa catctggtat tcaattccat taatttaata atgtcattcc ctctcctgtg 180
 ccctttcttg taattatctc cacttggtat cttgatttct tcccatttat tatggaacac 240
 aaataggttc ttacattcat acgtcaaaac aatttagtcc tactgcatga atataattct 300
 gttgaatttg ttagatgcca attaggacct atttacttgt gttattattt actgttctta 360
 ttcattgatt ttactc 376

<210> 23783
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 23783

agcttctact tatgtggcag ggcgggcttc cttcaccttc ttgtctcaac cgcgagcttt 60
 gactaccgtt cttccttctt gcgatgcttc tctttatata tgcoctgagtg ggcttatagt 120
 ctaaccata cttcccacga tttccttttg catttattac gctagttatg ccgccgttga 180
 ctttgcctaa acccattcog ggttcgtaac cgttccctaa cataactcgg gccatcatta 240
 ctgctgcata ggacaggcaa gcttgcccag agaaggagtc cactgaggaa atgcttacca 300
 cctcataaga ctggaaagca ttttctaata actcctctgc ggccctccaca ta 352

<210> 23784
 <211> 335
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23784

ggtgatgaac ttgtgaacat gaanacggca cctgatgcac ttgtcacatg aggctgtatg 60
 gtcatttcag gcggcggacc ccaggggccc gaataaatcg cctaagacac atgccggcga 120
 gggaggccta tccttgagag cgaacgttga cggatggtac aacggaacct ctttttgagt 180

aacacttaga ttgtcgtatt aatggatgaa ctgattatatt atcgttcgga tggcgcaacc 240
atgtaagaac ttaacgtcca aagtgactat atctttggag gaccctcat ttatcctccc 300
cagggccagt atccacttga gtttgtcgag cgaag 335

<210> 23785
<211> 374
<212> DNA
<213> Glycine max

<400> 23785

agcttcgaag agatgaagtt ctaattgaag cactcatatt caagtgcttt tagtacaaaa 60
atccgtgtaa attgcttgaa agtttaaaat agcattcaaa acaccttgat tatcttgaga 120
gaacaaacta catgctaaga ttgtctatcc atttgtaaga cgatcgagtg ttaatcattg 180
tacaatcgaa taaacaaata cttatgtgtg ttaaagccaa caatgacttg ataggacaaa 240
taatactctc tgcatttaaa atctcaaatt gttttataag atctaaaact atcatctgaa 300
ttgttttgcg aaaatctgat atctactttc tttcgtaatt caccatcaaa tgatactgct 360
gttgtttttag aaaa 374

<210> 23786
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23786

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gtgtagactg cttcagccca aaatgtgtta agtagtccct tctccttgag catcgatcta 120
gctatttcca taactgtgcg attctttctc tcggacactc cattttgttg aggagaatat 180
gagactgtaa gttgtcgcta aatgccttca tcctcacaaa atctttcaaa ctgcgcgagag 240
gtgtactctn tgtcgtgatc acttcttagt acttttatcc gttttccact ttgattttta 300
gcaagggcct tgaactttnt gaatactcca aagacttctg attttttctt ttagaaaata 360
taccatgcc attctagaga agtcatcaat gaagagtatg aagtaccgct tgttctcat 419

<210> 23787

<211> 347
 <212> DNA
 <213> Glycine max

<400> 23787

tgtacaagta cttggtgcta tggcataccg tgctcctcaa catttgtctc ggggtcttct 60
 taagattggt cccaaattga ctgagatata atatgaagca cacattatct ttcacttcta 120
 aagttcttat aagctataga ttgcattacc ttaaccctac tcgtaattcg aagggtttga 180
 ctgatacaca tcctatagtt agtcagctgg gcaaatggcc ccttcaacac gttagtcttg 240
 acttacgaac tattctatcc atttgattcc tgcttctgtg attaagtgtt tttatttcat 300
 ggttttttca agttgggaat gtgatcaaaa gtctataata ttctgtc 347

<210> 23788
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 23788

tgcactatgg tttataggcg gacaaaataa tgtgatttat tgaataactg cagtaaaatt 60
 tcaaggatca acctagcaca aagcttgaaa atcgactaaa agtagcaccg gtaatagttt 120
 tcttttgtgc caaactaatt tgaaattcct agtacttcat gaaaatgaat ctaattcctg 180
 tgagattgag acagggttga ttgcaatttt caataataaa ctcttatccg atgcaaacta 240
 actgaatggt gtttaattaa ataagatgcc ttgccaacag gggttgagaa aaacagtagt 300
 tttaggagtg gacaagccag gatccacgtt gggccttagt tgtagtgagt cctccatagt 360
 gggaattgaa gagcctcgtg ggggtgcttat ttggaggact gatgtatcta ttctcc 416

<210> 23789
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 23789

agcttttgag cttttcatat ggtcatagct tttcactcgg atgtccgatt caggcgcata 60
 atatatcgag acgttcgaaa ttgaacaatg gaagctcttg agcaattcaa atgatcataa 120
 ctttttacta agatgtccga tgcaggcaca taatatatcg agacgctcgt tattgaacaa 180

cggatagctc togagaaatt caaatggtca taactttcca cacggatgtc agattcaggc 240
gcataatata togagacgct cgaaattgaa caacggaagc tctcgagaaa tataaatgga 300
cataactttt actcggatgt ccgattcacg cgcattatat atttagacgc tcg 353

<210> 23790
<211> 413
<212> DNA
<213> Glycine max
<400> 23790

tccattgtta aatttcogagc gtctcgatat cttatgtctc tgtttctgac ctccgtgtga 60
aaagttatga ccatttgaat ttctcgagag cttccgttgt tcaattttga gtgtcttgat 120
atattatacg cctgaatcgg acctccgagt gaaacattat gaccatttaa atttctcgag 180
agcttccgtt gttcaatttc gagcgtctct atatgtgatg tgcctaaatc tgacctccgt 240
gagaaaagtt atgaccattt gaatttctcg agagcttccg ttgttcaatt tcgagcgtct 300
cgatatctta tgcgcctgaa tcagacctcc gagtgagaag ttatgaccat ttgaatatct 360
caagatcttc cattgttcaa tttcgagcat ctcgatatgt tatgcgctg aat 413

<210> 23791
<211> 368
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23791

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tttcgccgcg aaaactaaat cagcaaagct tgaagggtgtg taaccaccca tcttctcata 120
gtagaacacc ggtaacgtgt ccatatgat tgctatcatc tccttctccg tcattagggg 180
cgctacttga gctgcctggt tgctgatcgg caagtgtacc aattttcaca agtagtatatt 240
aaacgataaa atcgagtatc gtatccacaa gaaatttggt tcacttagat gatgtatatt 300
cagtatggaa acacttttaa cttttggaaa tgaaataaaa gattcaataa tgggttaaatt 360
atctgcaa 368

<210> 23792
<211> 402

<212> DNA
<213> Glycine max

<400> 23792

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ttctatagtg tgaaggacaa attaggctct taccatctta tattatagtt tggggtcagg 60
gcggtcaatt ctttgaatgt gtctagatcc atggttgact tgccaggata ttatgttcaa 120
agaaagaaga aaatgttgag acagttggat tgttgtttca acaattaacc atgggggaaa 180
caactacatg acctttgata cattgtagaa tgctgatatg tcaaataggt aataaagttg 240
ttttagtaat acttggttat cctccattct tgtccgatga ccctataacc acatgcaaaa 300
aggtaccatc cttaattggt ttaatcgctc ctgattaaat cgtaataatt tcttgcattt 360
cattggagaa atcatttaag atttgtagat gaggctaatt aa 402
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<210> 23793
<211> 362
<212> DNA
<213> Glycine max

<400> 23793

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agcttgtgga attgcacaac atcgatatt tggatgaatt aatcgactac cttatttcat 60
aattgattag atctgttgta actatcataa attataaata ccgttatgtg ttttctttga 120
caatgactct agataagatt aatcttgaag aaaagcatgt tgagtcttct ataatgattg 180
cactacattt agtttgaaga ttcaagataa tcaaagaatc gttcattcta ccgtcatgaa 240
tagatcatct tatgaagaca atttgaagat agtgaacatc tacacattgt acgtgtattc 300
aatccttaac tttcaatcgt ttagattgtg attcttgggt acggttacta agaaggttat 360
ag 362
```

<210> 23794
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23794

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cgcatgattc acatttctcc cctttgtcaa gcaaattttt tntttatcat caaaacctgc 60
atgatttaca ttctccccct ttttgatgat gacaagcatt atccacggct tgatctttct 120
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gacatcatca aaatcttcat gatttacatt ctcccccttt gtgatgatga taaccaccta 180
 taaggtagga gcaacaacaa agaaaaaata tctattggca tatagtatac tcccccttgg 240
 ttttggaatg cttgcttata tgagacaatt gaagatttca tttttttcat atataaaaag 300
 ttgtctcata aagaatagac attgttactt actattctat cttgtatatg actctccac 360
 tttgtcaaca tcaaaaacaa atcatgagta gagaggataa aaatggtacc act 413

<210> 23795
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 23795

agttttaata ttttctgaat tcacaacgtg tgcgcttagc accaccctcg cgcttagcgc 60
 gattaagtga atttgagctt agcgccagtt gtgcgctgag cctggctgaa gacaactggt 120
 gtgcataatg cacagatctc gcgcttagcg cgcggaactg atattgatgc tctgtcaaat 180
 tcttttgcg cgctaagtgc gctgaagcta cgcttagagg tggatgtgcg cttagccac 240
 tgatgagcta agttcaattg cactattaac acttcatgac ttatcctctt tttcacctga 300
 aattgtacat acttcatcat taaatccaat ggacatattc tagatcagtc ttaa 354

<210> 23796
 <211> 449
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23796

gacggctttt natgatacct agaacntgcg aacacgtgac actatcaagt ctgcaatctt 60
 gccttatacg ctactgaaa gatgcgattt atggctatcc taggacgaaa cagccaggct 120
 cagactagct ccagaccgac tcaaatgaaa actaggaccg gctataacct gactttgtgc 180
 aaaactacac ttgaatttcg gaggggacca tcaacacgag tagactctct gatggactga 240
 aaagaggtga ttactatgat tgagtatacc actcctgtac cctagcatgc aaatgactgt 300
 ggtcatgccc tcaactcccc gacttagggt tgccaaaaaa cgattaagtg gaaaggcaga 360
 cacgatcccc gggagcgcca gtggagaaga ccgcacagcg gggccagaac aagagggggc 420
 tacatgcgga ctgtgatctt cctgccaan 449

<210> 23797
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 23797

agtttgaatc tgacatccgt gtgaaaagtt gtgaccatgt gaattttctca agagcttccg 60
 ttgtttaatt gcgatcctat cgacatatta tgcacccgag tcggacatcc gggggaaaag 120
 tcatgatcat tcgaatttcc tcaaagtttc cgatggataa cttcgagcgt atcgatatat 180
 tattaccctg gatttgacct cagtctgaaa agttatgacc atatgaattt gacgagagct 240
 gtcgatgatc aatttcgaat atcactgtat gtgatgcgcc tgaattggac attcgagata 300
 aatgttatga ccatgtgaat ttttc 325

<210> 23798
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23798

ttataagtgc gggctctggga gacgaggttt ttgtttggat attgtgaaaa tgatgtgacg 60
 agtactttctg atatggtcctg accatgccct cctgatttcc agctgggaaa ttggtgagtg 120
 gaggaacgcc ccggcgttta cgcaacatgc ataatgtgaa cctttacggc tttaacagct 180
 ctataggtgg gcctaggcct tagagttttc tttttgttaa ggctttgggt cttttgtttg 240
 tgaatttata atacaaggat ctttgctcat ctgttctcgg tctctacca ttctcattca 300
 tttgcatgtc tacttccttc tctgaaacgg ttgatcggat gacgagttcc ttgaaggttc 360
 taatacct 368

<210> 23799
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 23799

agcttttagtt ttcaattacc agcgtctcga tatattacgg gagtcaatca gacatccgaa 60
 ttgaaagtta ttgtcatttg actgttcata gagcttccgt tttcaattat gagcgtctcg 120

atatacctacg agactcaatc ggagatccgt gtcaaaaagtt attgtcgttt gaatttgcta 180
agagcttctg ttttcaatta caagcgtctc gatataattac gagactatat cggacatccg 240
agtcaaaaagt tattgtcggg tgacttttct tacagcttcc gttttcaatt ttgagcgtct 300
cgatctatta caggggttcaa tcggacatcc gagttaaaaag ttatt 345

<210> 23800
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23800

ntgagcanat tcaaacgaca ataactttcg aatcggttgt tcttatgtgt cccataggat 60
atcaagacgc tcggaattga aaacggaagc tcttagaaaa atcaaattgac agtaactttt 120
aactcgaatg tccgattgag ccctttaata tatctagacg ctcgaaattt agaacagaag 180
ctctatgata agtcaaattg cagggacttt caattctgat gtctgattga gtcccgtaat 240
atatcgagac gctcgtaatt gaaaactgaa gatctgagcg aattcaaacg acaataactt 300
gtgactcgga tgttcaattg cgaccctgat gatagcgaga cgctcgtaat tg 352

<210> 23801
<211> 362
<212> DNA
<213> Glycine max

<400> 23801

agcttagcac gtaacagtga gatcctaaaa ctataatccc aaagaaaatc aagcagacgt 60
gactcttaag gcaacacatt caccacacaa gcatttttaa gaaaagacga gaaatatgaa 120
ggatgaatgta ttttgattag tgatgaattg aagtggcacc ttgagttttg aaagcaacaa 180
aaagataaaa atcatggcga ctttaccata aaagcaacta tttgctgctt taaaaaacca 240
tggcaagttc aaccaatagt caatccaacc cgcactagac tcaggtcaaa gattagtctc 300
ttaaccgcgg aaagtcaaaa agataattac caaaaacaga agatcagcat ttattttact 360
aa 362

<210> 23802

<211> 417
 <212> DNA
 <213> Glycine max

<400> 23802

tgtatctttt atgatgaagc agctatgaag tatttttttac taggtgaggc tagctgcata 60
 aatcaaaaga caccattggt ttctatcttc aactaaaccc tttgctagtc catttagata 120
 aaatataaac ataaaaaaaa aatccagggt ttcattgtcta ctctagtcatt gatgatcagg 180
 ttttgggtaa tgaaacacaa ataactctga aatttttttga gagaactaaa taagaaaaat 240
 cctaacaata aggggaaaaa aataattaag aaaatcaaga gatgtacaca ttacagatgt 300
 acaagaaagc aggatagtga gaccctaga tcaacaaaaa aaaggatatt tagatttcca 360
 aatgttttta ttatagggtt taggagactc agatttccaa atgggtgtgc ccctgat 417

<210> 23803
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 23803

agtttacata tattcccat gtgataatct gaacaagaga gaattatggg aagcactaag 60
 ccagctaaga caccaagatc ctgagggatt atgggtgcttc ttcggagatt ttaacagcat 120
 tagacaccag tccgagagag aaggggtggc tcacaggggt atggaagcaa acaacataac 180
 tgattttagt gaatggctag ccgacctaga ggtagaagaa atacctagtg tggggagaag 240
 attcacatgg tttaatccaa acgggactgc aaagagtaaa ctagatagaa tttttgtctc 300
 tcatgaatgg ctcaacaaat ggccaggctg cacccaattc atcttggatc ggaacttctc 360
 g 361

<210> 23804
 <211> 285
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23804

cattcggacc ttgatactag ctgtgctaga ttgatgctca gctgagggga ttgtaagttg 60
 ggagtttggg aatgactgtt ggaatcactt tatgagaaaa cgctgatggg aatggaacac 120

tgctcctcct tttgacctat tatatattat aagagcatga aagagatgat tgggaaatac 180
 cacaaaaatca aatctagact gcattcttac tcacagccat caccttgttt gcctgntgct 240
 agttgaacca acaccttaac actattggcg ttcctgggta tggct 285

<210> 23805
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 23805
 agtttgtaat agatttgaag tcaaaatgca attccaaagc agtatcattt aaaatattta 60
 acaaaaaata ttattaaatg agctaattaa gatattaata taaaataata atgaaaaaat 120
 cttgctttct aattttacga caatttataaa aattataata agtaaaatat aagtcgcata 180
 tataatttaa taaactatta atttggcctt tttaaatatt tatttgacat tgattttgct 240
 ttttaattttt agtgagatgg agtgagtcct ttaaaccattg aaaagtatta aaatcttttt 300
 gtgatatgga gtaagtcttt tattttaatt atgtaagttt gtcctttaca tataatag 358

<210> 23806
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 23806
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 aagtgttcta caaggtttag acgagaacaa gacttgatg acgctggacg gtctagggtc 120
 gaagctagga ggggctcttt tgggatcatc gtcattctct tgtgtgtcct gatgggttca 180
 agtttaaaga aggaaagggg ccctaccatt attccaaagc aactatatta gaataggata 240
 gttttcagaa taactatttt gaaataaaaa aattgtattt taaaacaact attatgtaat 300
 atgaaaaact attctcgaat agctattttg aaaatgtatt ctattcaagg tgggggtgta 360
 gggtaaagta gtatttttat agtccttttg gaggtgtagg atgtaaa 407

<210> 23807
 <211> 218
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23807

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 ctaaggaagt tttctcaatt aagcctccca aagacgtagg gtctagaaaa cttcttctgg 120
 aagcttccta gcctatacat acaatcctga gaacacttgg tgtcactttg atgaatgaga 180
 gtatcgctg acatgcttta atgtatcgct tctctacc 218

<210> 23808
 <211> 492
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23808

ggccggggnt tatactgaga ctgacgactt caanancgcg aagcangnaa cctcaagccc 60
 ggagcatgag atttgggagc ttttacgtgt tgggttttgc taagaccaga ggagctacgc 120
 ggattggaac ctagttgtaa gtcattgatt gatgagagac agttcactgg tgcaagcgaa 180
 gtctacgtac ctaactccgt gctataccct catttattat ctaaaaggag aggaacgaat 240
 tgcaggataa tttgtgggaa agaggcaaca ttacctcagc ataaaaggct gtgagttctt 300
 ttattccgtg tatgcctaata acaaccatca tgtatataag tcagtattag acagacttga 360
 tacaatgtat acgctcatct cgttacacac cactcatgat gccgcagtcc acatacatac 420
 cctagctctt aaccttggtg tttatacgga gtgacaataa agaaacgacc ccgccttcac 480
 ttaggaaata ac 492

<210> 23809
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 23809

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg 60
 ctatacgaga catctttcca aacaaagtca ggtagcgat aactcgctg tgctttttct 120
 tccatgctat atttagcaaa gtcattgatc cagtcattgt tgttgagttg gaaaatgagg 180
 ccacaattat actgtgccag ttggagatgt attttcccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcagagaaa tcaaagtgtg tggtcctgtt tatctacaga 300
 ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg gtatacaaag aatctatatc 360
 gtccataagc atct 374

<210> 23810
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 23810

agcatgttgg tctctgtctc gcataaatgc tgagactttc ttcttttggg ccttgaacaa 60
 gcaatcaact cctctttcag aaccatgcta tgtgttcgag actgggtctc ttcttcctt 120
 cgcaacttga gttcactatt gctaccccat agagctccgc gaaatttggt ccggccatac 180
 tcttccttgc gagccctctt ggtctcttgt tcaagggctc ttgcggtaat tgcattctct 240
 tcccgttaacc cggcacactc cttccgaacg tgtgtagcgg ccaacttgaa cttctccttg 300
 gcaagtattg cctttcctaa ctgcgttttg agatcttgga cttcctcgtc ctctttcggg 360
 gcttcaaaac tctcttcggt gacgactttt aacttggcga gccaatctaa acctcgta 418

<210> 23811
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 23811

agcttgtcct tgactcattt tctccttgaa gtgacgtctc caatcacctt tctccttct 60
 ccattctgct gccattgatc ttcaagaagc aaaggatttc attgatgaag aagatccaag 120
 gcctacaagc tctacatgga gctacatcat gtgggtatcaa gagcatcttc atctaagtga 180
 tgttcttttg cttcctctat cttttgcttg gtcaattcac ttttaattcct tgttcttcat 240
 catattctcc atgtatctcc tccattatct tgtgggttgg ttctgatcat agtagattca 300
 aaaatataaa tcgattaaat cctagatcta tacttggtct tgcatttcta tggctcaaat 360
 tttat 365

<210> 23812
 <211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23812

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aaattctggt ataacaactt agcaaaatat cttgtatgaa atggctataa aaaggggtaa 120
tgatgaaata aaaagatatg agaattattc cctgcaattt agcttttctt ttattctagt 180
tagctatcaa ctgttccgac cttagctttt cttttattct agttatctat caatagacta 240
ataggaaaga acaaaatact aaacatttat ttaattaaat ctaataaaaa atttacttca 300
atcacattat ttaacaaaat acttgcaagg tctgtaactt catgaactaa agagcaaata 360
caaacgaaca aaatacaaat acatccagca acatcaaagc actcatatcc attacttcaa 420
aatacaaata c 431

<210> 23813
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23813

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agcttcatga taacatacca tgagagggat gtttctctac acttgagca tatagaggaa 120
ctgtggaaga tcttgggttg caaagagatc ccttcaaggc ttttcattac agggaggtac 180
attggaggag ctgatgaagt tgctggattg catgagatgg ggtggcttgg aaagcttttg 240
gaaggaacac caatggactt tgctgatggc ccttgcaaag gttgtgcctg catgaggttn 300
tccatttggt ccaatcgtaa tggtagttgc aaagagtta ccaccaatgg tgacaacacg 360
aat 363

<210> 23814
<211> 416
<212> DNA
<213> Glycine max

<400> 23814

ttagtcatgg ttatgggtca aaattagcat ttatgaatca cgttttgaat taatgcagac 60

tgtcacaact atctatggga gaactagctt catatatctt aattataaca ttctacaacc 120
 atttctctct ttctttctct cccagatatt ctaaataaat aacaaatgaa aggaaatcag 180
 atgcagttac tgtacaagta cactgtaaat acacatgcag acacatttag aaaatgcaac 240
 aaattttgta aatatagcaa gcaacaaata aacattgtat tattgtatca cacatctggt 300
 aatatgtatc ataattctgc cgtgggtcaa aatacagaaa tataaccatg tagctgtatt 360
 caacagttat aaacatatag tttcttccca ttgcgctcaa ctctctatctt aaaaca 416

<210> 23815
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 23815

agcttggagc tttgatccct cttgatggac tagacttaga ccaaacaaca ttattgtaac 60
 aacatattta aacccaaaact taatctgtag atccctcatt taagacaaag tttcaatcct 120
 gcttcaatca agttctaagg caacaatata ttttccaatg ctaaagtcac ctaactatgc 180
 acacaaatgg gtgatcagac caagagcata tagaatttaa gcactgaaag aagcattgaa 240
 cacaataaac acaatcaatt agatattaaa gtaatcacat cagttgttct ttagaaatcc 300
 ccaacaagag tattttagcca gccattacag aaaaacccta acgataatga gattaagagt 360
 agagaat 367

<210> 23816
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 23816

tctacttatg tggcagggcg gggtttccttc actttcttgt ttctacgcg agctctgacc 60
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 accatacttc ccacgattcc cttgggtttt tatcagacta gttatgccgc cattgtcttt 180
 gcctaaaccc atcccggtt cataaccgtt ccccaacata actcgggcca tcattaccgc 240
 cgctcggac agacaaggtt gcccaaagag ggagtcacg gaggaatgc tgaccacctc 300
 aaaagactgg aaagcgggtt ctaacgattc ttctgcggct tccacataag gcatggagga 360

tgggcagctt accaagatat cttcctcgcc tgacacgatg accaagtgcc cctccactac 420

<210> 23817
<211> 348
<212> DNA
<213> Glycine max

<400> 23817

cgacagacac gagcggatgc aacaaatggt aaccgaggct ttacgatata tctgtcctga 60
caaagtcaag gcatcgatca ctgcctgcg cttttatacc catgctgata atctcgtagt 120
cttagctgca aatatgttta gatgcgttgg aaaatgagga cacgcttcta ctgtgccaat 180
ctgagagtga taacaccacc gcttccttg acatcttgag tgactgtgat agagctgaac 240
ccaaagaatt gagacagtgt gactcctgta gatctacaga ggggtgtacc ggatgaacga 300
gtgtgggttaa tctgaactag gaatacatac ttcgataatg gcattgca 348

<210> 23818
<211> 396
<212> DNA
<213> Glycine max

<400> 23818

tgtgcctcgt acttacgata attggagcat taaatgttta tccttctttg atgcaaaaaa 60
attactctga ttggcttttg tgttgaatac tttagtataa aaccactttt ccttgggtcaa 120
agcaagtttt tcataacaga ttttgaacta tagcttcatt tattattcat aggatttgtc 180
cgatcgtagg agaatatctc tgcaaaatga atctcacaca cagaaataaa tgaagtgtga 240
aatattattc tttaatgttg tatcagatca tgattttgtc ttattttcgt ctgatacttt 300
agacgcatta tgtatgtaca acatgatctg atttcacata agacacaact tttactttt 360
gtattttatt gcacgaata aaaataagga gtcttg 396

<210> 23819
<211> 312
<212> DNA
<213> Glycine max

<400> 23819

agcttgacat ttgaatatag gatctttcct cctcaagaat aagggtgtga ttgatattct 60

atacatcgtg ccaatattat attagaatgt gttgacgggc tcaatcattt cacaccaagc 120
 taagggactc gcaaagttat atacatatat gtatatggat atatatatat atatataaag 180
 aattctgccc cggaagata ggatgtcttt actggctttg aatggaaaca tcattgtggc 240
 aacagctcat atgcttatag caagaaactt gcgtgtcacc cccttgggcc aaagtagatt 300
 gccccctaag ct 312

<210> 23820
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23820

ccactgacac ggatattagt aatagtcagt ggcgtttata aatctaccta tnnctagggg 60
 acattgacct gagatgacac tccaacaccn canctaagct gagacagccg gagagcatac 120
 ttgtaatttc ttggaacaca atacaacata ctgcgaagag cgaagaatgg acagctatat 180
 ggagacagga tgaccgacaa gaaggccaag aggattcacc cagggagagg gaagataata 240
 tacataactc cttaaactcg accggatgga caggggggtt aacatgaacc aaaaatcctc 300
 gactaggata cagagttaga atacatctaa gaatggcttg cactcaatag gaagggcagg 360
 cagcataagt cgagaatttc cttaggcgga ctaaccagg gggaagagaa acc 413

<210> 23821
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 23821

agcttatgct tctcttttta acctatattt gttgagtggg ccaaccatt gtgatctatt 60
 ttttacaagt agaaagaata gcaagccata tcttattgag ccacccgtt tgacatctct 120
 aattgtatca atgatcttat ctacaatat attgttttct ttttctatta tactttttat 180
 actacaatat aaaatttctc ttaaagaata tagggtaaac tatgttttta accactaaac 240
 tttttcaaaa ttgatTTTT agtacataaa taaaaggttt tttatactag aaaactTTTT 300
 tttatattct gaagcgtatt ttgtagaagt aaagatattt tgatgttttg atgatgcaa 360

<210> 23822
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23822

tctattgctc ttattcatct ttacttgggc tatctcatac cttttatttt ttttgtctaa 60
 gattttgcat acacctcctt caaagtgaag tgtgtagcct ctctccatca tttggccaat 120
 gcttagaaga ttttctttta ggctgggaac tagtaagaca tcatgaatga gtcgctgacc 180
 tttatctgtc tccaccatga cagtgccttt gccttttgat tcaaccacac ttccatttcc 240
 cagtcgaact ttgactttga cagactcatc aatgcttttg aaaatagtct catccttggc 300
 catgtgattg ctacatccac tatccaagta ccagcttcct cctttttctt ttattgagtc 360
 ttgagtggca tagaacatac attgttcttg atcatg 396

<210> 23823
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 23823

agcttccaat tttcagaacc agggagcatc aaacacggct cgaggctgat tcacaacaag 60
 aaagcctacc tctgtgagca tagtgacagc gatcctccta aatcctagag agattcgaga 120
 acaccctggc tgtatcaaag gactttcaca gaccttgtgt gtcgccctcg ctggaaagag 180
 agatactatc cttccttaca tcttcacctt tgttctttca gaccaccaat tccagaaaat 240
 ccacctctgc ccagaatgat ctagtggcca taactcccat tgtacgcact caaataaagt 300
 gatccttgat gctaagttga atttcaaaac gagacctcc acctggactg gaatcac 357

<210> 23824
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 23824

cgcttgtgac tgtctcgata tataccaatc atggtgaacg tttgtattgt gaagggggac 60
 cggagctgtt aactttcata gttgagtga gctcacatga gacactcact acctattgga 120

gaaactctct tgagttataa tggaatatca cagtcgtctg ttcaatctta aagtaccata 180
 ttatcactcc aatcttatgt ctctccttcc gtttctaata acatatttgg gttagcttgt 240
 gcaccttata atcatgtccc taactgtcct catagctcac atattcacga agaaaacttc 300
 atatatagaa cacagtacgg ctagagaaga ttgagcagtc cctccatacc ttagttgggg 360
 cactagaaat atgatgaata tgagtg 386

<210> 23825
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 23825

agtttgcttc tacagaagga aattaaatc aaagcaattc aaattctagg catttcaaat 60
 ttcccaaaat tttgaaattc ctaatccaaa tacaagatta atgattgcat taaatcccca 120
 ttccgtttgt actagaaaaa ccactctctt tagctttcat ggtgagcacg tcagtaggaa 180
 tccacttcct ttgcgttaaa gcaagtatgt cacaacatag cgtgtctttt tatgatgttt 240
 ggaaatttca acgaacattt ttgggtggac aattagttgt tgtttccttt ataaggagct 300
 ttgtattcta agttcaatga gcttttagagt gctttgaacc ccttcattgt aaattctgtt 360
 a 361

<210> 23826
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 23826

tctatagaag gttcgttcct aattgctcta ctattgtatc acctctcaat gagatagtga 60
 agaagaatgt ggcatttacc tggggtgaaa aacaagagca agcctttgct ttgctcaaag 120
 aaaagcttac taaggcactt gttctagctc ttcctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ttctggagtg ggagttggag ctgttttgtt gcaagggtgg caccctattg 240
 cttatttttag tgaaaaactt catggtgcga cccttaacta ctccacctat gataaagagc 300
 tttatgcctt aataagagca ctcagaactt gggaacatta ccttgtttcc aagggaatttg 360
 tcattcatag tgatcatcaa tcaactaagt tcattagagt gcatagcaag ttaa 415

<210> 23827
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 23827

agcttgcttg tggagcttct atggaggctg gatctttgag cttcaatgag gtccttcaat 60
 ggtgattttt caccatggag atgcagcgga agacaaagga gaagaggtga gaggaggcgc 120
 catccattaa ggaataagcc atggaaaaaa agagcttcac caccaagatg agccttggat 180
 aagaagcttg gaaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 240
 ggagcacgaa attgaaggaa gaaaaagga gagaagttga tctttgagtt gtgtctacac 300
 gactttcatt cttcttcact taccacaagt gtcacctgtg cttactttat ata 353

<210> 23828
 <211> 257
 <212> DNA
 <213> Glycine max

<400> 23828

tgaaactaag aatgtagtgt gaagtttcac gcttccccct ttttttggtt ttgtcttgca 60
 aaggaaaaac ccaggatgaa ccaacatgaa aacaaatggt atgccatttc tgcagatcaa 120
 aaaggttggt gaacgcatat gcatgatgat gccatgactc atgccaaatg tgatgctgga 180
 atatgataac ggacaaatgc acgatatggt cattatgatg ttatgaagag atgctcatgc 240
 gatgcatgat atgaatg 257

<210> 23829
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 23829

agcttgattt atactggttc ggccacttgc cgcgcctacg ttcagtcctc aagcaaccca 60
 cttgagattt tccactctct ttgtaaaact cctttttacaa agtctgaacc acacagggac 120
 aacccttccc ttgagttcag gaatcctcta caacaagaga cccacgatct cttaatccct 180
 tttcagaaat aagaagaaga aatctctctt aaaagagata gattgtacaa tgaagatcaa 240

taaaaaattcc ttattgaata tgcaagtggg tgaccaagga atctttttga gaggataaaa 300
ctattgggca atgaaaactc tctttaaatt cgtgtttcca agtcaccttt gatg 354

<210> 23830
<211> 406
<212> DNA
<213> Glycine max

<400> 23830

tcaaaaggag ccataccaat actggcttgg ttgctattgt tgtaagtaaa ctcaatcaat 60
ggcagacaat ccattccagct accttggtgc tctataatac acgcccgaag tagatcttcc 120
aaagtctgaa tagttcgttc agtctgacca tctgtttgag gatgataagc tgaactaagc 180
ttcagctttg tccccaaaggc ttcatgtaga cttgtccaaa atcgcgaggt gaacctcgga 240
tccctgtctg atacaatact agaaggaatt ccatgcaacc ttactacttc cttgatgtac 300
aactccacta gcttctccat tctatacttc atattcactg gaataaaatg agcagatttg 360
gtgagtcgat ctactatgac ccacacagca tcgtgtccac gactag 406

<210> 23831
<211> 371
<212> DNA
<213> Glycine max

<400> 23831

agcttatttg tctaccaata taagattctc actttgattc gtagtataaa ttattctttc 60
aagaatttct cttacaatac aagaacgctc tctaattaaa aatttaattt tgtttgacat 120
aaattttcgt catacatttt ttgcatatat atttaataat gcgagagtat atcatttaat 180
aagtggctca ttaaaacggt attatttaaat aaattcaata ttttacggaa cttgataaaa 240
aaatatattt tttggtacat ttattaatat ttatttgata aaaatataaa aatttagtta 300
attatgtaaa aaattacatt aataatgtat caaattaaaa aatttaaagt gtgtttaatt 360
tgtaaaacta t 371

<210> 23832
<211> 433
<212> DNA
<213> Glycine max

<400> 23832

gaccttagaa actaagctta caagggcttt gacatttgga gtaggcatca agattagacc 60
tagcatccac tatatcatga gtcacaccag ctttacaagc ttacacatgc ttttgcttaa 120
caagttcaac aacgagcaaa cactggctg cactcaaatt ataaccacca gcaaaccat 180
ctccttgaa accattccta accattgcac tgaaaagatt caccgcttcc acctcctaac 240
catgggaccc ataacctgaa ataatcgaat tccacagcac agcacacggt tcaaccttac 300
tatcaaaacc actttttgcc tccctcattc tggcagcatt ggcataacca gatatcatag 360
ctgacaaaga gaactcatcc acattcgta caaaactcac aatgcgagca gcacttttca 420
aatcaccaca ctt 433

<210> 23833

<211> 372

<212> DNA

<213> Glycine max

<400> 23833

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atagccatgg atcattatct ttgctaagac aacattgact attacctaaa ttttgactta 120
agtctatcat gtaaacatta ttgactctaa accctatatg ctttatattc gtatcatgtc 180
catgttcaat gacacattgt tgagaaccaa atgataccag atagccgttg tcacacactt 240
gactaacact aagcatgttg tgcttaagac ctccaactag tagatcattt tcaatggagg 300
ttgaagaatt tgacctattt ttccaactcc aagaattcta ccttttgtgt tgtctccata 360
cgttacatgc cc 372

<210> 23834

<211> 401

<212> DNA

<213> Glycine max

<400> 23834

tgctctaaat ttacattgat gtttgatatt attggatgag gttgtatgtc gcttttgtac 60
taagggtagc atttcttggg aaaactaact ctccaatgt ttgccttcgc aggaaatggc 120
cccagggaag ctttctcaa agaggccag taaggacaag gcggtcgaat gaactagtcc 180

cgctcctgag tatgacagtc accgcttttag gagcggttgta caccagcagt gcttcgaggc 240
catcaagggga tggtcgtttc tccgggagcg acgcgtccag ctcatggacg acgagtatac 300
tgatttccag gatgaaatag ggcgcctgcg gtggacatca ctggttactc ccatggccaa 360
gttcgatcca gaaatagtcc ttgagtttta tgccaatgct t 401

<210> 23835
<211> 361
<212> DNA
<213> Glycine max

<400> 23835

agcttatact atattgttta atcttgagcc tttgtttctca atgattaagt cggctcttatc 60
atagagggggg tctttatgct ttcttccaat atcgagaatc cattctgtaa gtacaatggt 120
tttcctaatag atatgatcga ggcttcacac cagtaatgtg gacttatcat ttactaaaag 180
aattaggatt ccagacaagg agaaattacc accatataca tcttgtataa cacccaattc 240
ttgcgtaata taaattaaaa aagattctat ttaaaaataa atagagtttt agggaaataa 300
tgagattttc ataattaaat aaataagatt aaataatttt attaattaaa ataatgattt 360
t 361

<210> 23836
<211> 425
<212> DNA
<213> Glycine max

<400> 23836

actcaagctt ttacatgcat gttcacacca tatttactat actttgatca acttatgcta 60
tctattcgat cgaaaagata atttatatta ctcttctaata gtagtcgaca actaaaaaaaa 120
atataacaga aagtaatgct taagccaatc aaatcaagtc attgtgaatc tcatcattac 180
tatcatgcat ctcaaagaga aggagaatca ggcacgtgaa tgcatagcac aacaaaacat 240
taaaagaaaa catgccttct aaagccaacc aaggtaaaaa tgtatttata tttgtgaact 300
ttttcaaaat tataacacat atataaaaac atggtggaac aatctgacca catgcacaac 360
acattccaca cattatttct gaaaatgagt ggtaagggaa tataataaag cattgttatt 420
aaaac 425

<210> 23837
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 23837

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 cagtaaaagc agttacattt gatatatatt tgatgaagaa attttatgtc tgatcgacca 120
 cctatccaaa attcttaaag aatcttgatt cttacttgtc taagatcatt gtttgacctt 180
 tgtgcaggct atctttctga tttttccaaa gacttttttt cccctgattg cttttcttgt 240
 tcttctcata cacttttggt ccttaatttt tatatggcag aaacgaaacc tagatatatt 300
 tcgtacatag ttttgaacgt gggacaccat aaaaaatta aaacattgtg tgaacaaaag 360
 caaa 364

<210> 23838
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 23838

tgcatggtga tgggtgctcta ccattataag attatgttca ttgtacatgc ctggctaggg 60
 gcatgatact ccactataaa aaaaattgtc agtagttatt atttactaac agtttaatat 120
 tagatcgcca cttgtagtat actccctcca cgtactctcg aacataagaa aaacaaagca 180
 cacattattt tacattaatt aaaaaagtta ttgatataatt taatttttat tagacaaaat 240
 ttgtatcaac ggaagcagtc ttgacattaa caattttgta cgttagcaaa tgacaatttt 300
 ttaaaataaaa gatccagttt caaacatggt tgtttgagtg taaatagaga ggaaagaaaa 360
 atgaaataaaa agtataaata gagaggaaag aacaatgaaa taaaagtaca aagaaaga 418

<210> 23839
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 23839

agctttgaaa agtgttgttt ttcaccttct cgctaagcca atctgttggc ttagcgagcg 60

tccgctaagc gcaacactca tgggctaagc gtgaggaaga ctctggaaga aaatgagctg 120
 tacaggttcg ctaagcgcac cgcttcatct cactaagcac accgcttcag tccatccgct 180
 aagcgagaaa ggcacgcgct aagacaaaat tctaataat gcgctaagcg gtccataatt 240
 gcgcttagcg cacaagcatg aacaaggcca cctatttaag cctgaaatta gatttttgag 300
 ggggagtttg gactgggatt tatagctttg catgtctaga gtttctagag agagaaagat 360

<210> 23840
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23840

tgcttcctag tctggacctt gcccttctgc tccttggttaa tcctttntac ctatttagca 60
 aggccaaagg tttcttgagc cttgtcttag tcagcaacag tcttggccat cttctcctag 120
 tttttctggt ggatgtcatc ttgggtccact agaggaatag gcatgttcct cctgatgtct 180
 accttcattg ctttttaggtt gataacaata aagtgtagtt gtttggcgat gaaaagacct 240
 ttacttatga ttgattgctt ggagtcctca tccattcttt caaagacatg aaagacctag 300
 tattccaaga tgagtttggt gatgagggcg acatagtaga tgtcatcctc ttctcccagt 360
 gtattcatgt ttctcanaat attgatgtag atagtgtgtg gaaggtggaa aggaatat 418

<210> 23841
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 23841

agtttttctc gtactccatt tggaaagtga tctgtaacag ccatattatc taaagtcatg 60
 tggataatga attacacatg gttagaatac agtgagatca aggatgcaac ttattgtctt 120
 tattgctttc tctttaagca acccgggagg gccgaacact ttggttttga agtcttcact 180
 acaagcggat atagagattg gaagcatgca tctcatggct tgaaagatca tgttggtagt 240
 cataatacat tgcacaactt atgtgtcaag cactacgatg attataataa tcaaagacaa 300
 agtgtgacaa gttagtttgc taaagcaacc acggaatc 338

<210> 23842
 <211> 561
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23842

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 ttctcgtcgaa aanaccanna cnaccagcgg cgctcggaatt gaaacctgta gcacctacga 120
 agcaccnngg aanncncaaa cactcaacgc ggcaaacgac ataaggaggc ggcgactgca 180
 tatcgatctt ataacggccg aaacgacatg gcgacaggaa ggtatactaa ctactggcc 240
 aaaccgctgc catccccga aaatgcccc gacgaagcaa gtcaaaatga ggtccactga 300
 ggacctcgca tccaaatgca tcagggtccg tactgtgatt gccagtgaca aacctatgta 360
 ggcgcgggcac cggcgacgcc ttacggacat catgaaaggt agcaacaatg cagcaaatca 420
 tccatggaat gcactacaaa gagactcatg atacaaaaga agaaccgatc ctgatgggaa 480
 ccataatgca tggcttcacg gccgaattgg agcgcaaaaa gcgcacggag cattgccgat 540
 gtccgcaaac aaacagcgcg g 561

<210> 23843
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23843

agcttcaaga ttaagatggc ctcagcaaat tccttatttc cagaagggaa ttctatcaat 60
 agacctcaa tctttaatgg agaggggttac cactactgga aaacccgaat gcaaattttt 120
 atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcotta tatacccacc 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240
 cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300
 aacataataa catctgccct atgaatggat gaatatttca gagtttcaaa ttgcaagagt 360
 gct 363

<210> 23844
 <211> 400
 <212> DNA

<213> Glycine max

<400> 23844

tgcggggccct caggcaatcc tgcattctcc ctcttttttc tgagcccat gaatgttatt 60
gcctagcgct gttcatgtgt cctccacett caagtttgga gctatgtttc atgattgcct 120
aagtgcggac cctcaaggcg atcctccatt ctccccgttt tttggatccc catgaatgat 180
gtagcctagc actgctcatg tgtactgcac ctttgagcta gcggctatgc ttcattgattg 240
cctaagtgca gaccctcaat gcaatcctcc gttctcccc tttttcagag ccccatgaaa 300
gttattgcct accgctgtac atgtgtactc caccttcgag gttggaacta tgatacatga 360
ttgcctaatt ggggaccctc aaggcgatcc tccattcttc 400

<210> 23845

<211> 355

<212> DNA

<213> Glycine max

<400> 23845

agcttccatc agactcctat gcacatttgg aaacattcat tgaaatctgt aacactgtaa 60
agattgcagg catgccagat gaagccatca gactcaacct attttcattt tccttggcag 120
gagaagccaa gaggtggctc cattcatttt agggtaacag tctatgagtg attacaggta 180
gtgatcacac cattctaggt gataaattgc atcaaccac taagaagagt ttactagagt 240
tatcatcaca agacgctgtg ttggcaaaaa ataagttgct ctctaagcaa cttgagatct 300
tgtcagaaac cctgagtaag ttgccaatca acttgtctaa tgggtcaacct ttaca 355

<210> 23846

<211> 408

<212> DNA

<213> Glycine max

<400> 23846

ctcagcttgt catgagagta atttcggaca aattcttaaa ggtgggagta ttgtgacatc 60
ctcgaaattt ctactcggaa tttttgtaaa cgggtgcattt tgtatgatta tatatatata 120
tataagtatt attcagtgtat tatgcatata tgttcctggt agaagtagga aaagtggggg 180
caagatacgt gggttaggct gattaaggaa gagaaatcca taactggaag gttatagggt 240

aatttctcaat taattagtct aaaaatcatc gttttgctg taacttaaaa ttttaacaaaa 300
ccagcctctg aaccacgctc ggggttttat tcagagcgtt ttgatataata tatatattgc 360
ttactttcga aaactggccc cgacggggcg agagaaacgc gagggact 408

<210> 23847
<211> 338
<212> DNA
<213> Glycine max

<400> 23847

agcttttgatt tataaccctg tatataacaa gcgagtctca cagtgtcgag aagctgcaca 60
aactcttctt gagtaagatt atcttttttc ttcttttgca aatctattac tgttgtcatt 120
cattttatatt ttaataagat cttggcttta catgcattgc aaaatatttg acattttctaa 180
atcattagtg tctaactcta aagagctgtt gccaaatgcc taactttaca cttacaaaag 240
ggcgtcaata aactgagcta gaggatggaa gtggtattac caaaacggat aaaatacctt 300
atactcctca ttaatctcac ttagatctct cacgaato 338

<210> 23848
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23848

gacaccccct aagaatgaag atatcattac agagaagaac cnacgatctt atagcgaaat 60
tctaaacaac aatacgaatg aagttctgat gccctctat tgctttcgct tgataacttc 120
ccgcatacac atgtacatgt tctactgtat cacacgaaat tttgaattga tcatgcatgc 180
gaacatatcc aaatttatatt tgctcattgt catgcttatt acgttttagaa gtataatcat 240
ggtacacaga atatctacag aggatgctct gcaatcagct ttttaactct ctgaggatct 300
acccttctac gtggttaacg ccgtctccaa tatatactgn cactatttgc tgcaccttc 360
cg 362

<210> 23849
<211> 362
<212> DNA
<213> Glycine max

<400> 23849

agctttctcc actaagttgc ctgatgccta aaatgtcttt tctgatggaa gtggtcctag 60
atgcaaggaa taatttctcc aagaacaccc tcttaaggtc atcccagctg aaaatggacc 120
tgggagcaag gtagtataac caatcttttg ccactccctc tagagaatga ggaaaagcct. 180
ttagaaagat atgatcttcc tggacatcag ggggcttcat ggtggaacaa acaatatgga 240
actccttaag atgcttatga ggatcttcac ctgcaagacc atgaaacttg ggcaacaaat 300
gtattagtcc agtcttaaga acatatggaa caccctcctc aggatattga atgcacaagc 360
tt 362

<210> 23850

<211> 416

<212> DNA

<213> Glycine max

<400> 23850

tgtaactctt ggcaatttat ttaaaaacta atcacttata aagttatgac ttttgaaaaa 60
atcttcagaa acaagtcact tgaagaattg tgacttttgg aaatgtattt tttgaaaata 120
gtcagtggta atcgattaca attaagggtgc aatcaattac acatcagcag atgtgactct 180
tcatttttaa ttttgaaaat cttaacgttt taaaacaatg gtaatcgatt actacatttt 240
ggtaatcgat taccagagag taaaactctt tggtaatgat tttgtgaaaa cttcttgtgc 300
tactcaatgt tttgaaaaac tttttaatac ttatcttgat tgagtcttct cttgattctt 360
gaatcttgag tcttgaatct tgattcttga ttcttgaatc ttgaatcttg aatctt 416

<210> 23851

<211> 357

<212> DNA

<213> Glycine max

<400> 23851

agctttctcc actaagtttc ctgatgcctg aaatgtcttt tctgatggcg gtgatcctag 60
atgcagggaa gaatttctcc aagaacaccc tcttaaggtc atcccagctg aaaatagacc 120
tgggagcaag gtagtatagc caatcttttg ccactccctc cagagaatga ggaaaggcct 180
ttagaaagat atgatcttct tggacattag ggggcttcat ggtggaacaa acaatatgga 240

actccttaag atgtttatga ggatcttcac ctgcaagacc atgaaacttg ggcaacaaat 300
gtattagtcc aatcttgaga acatatggaa caccctcatc aggatattga atgcaca 357

<210> 23852
<211> 397
<212> DNA
<213> Glycine max

<400> 23852

tagccctaga ggggatggac cttttaggtc ttggatagga tcaataaaaa tgtctatagg 60
aggagttagt accactttta aatattgtga tttaattcct tttgcagggtg gagctgatat 120
tgaagaaaaa gaaccaacag atttaaggtc aaatcctcct caagggggaa gggatgatgc 180
aatcctttct aagaagggtg tagttaccag agccatgagc aagaagctcc aagaggatat 240
ggctagagct actaaagaag gccctagggt tctcatgaac cttatggtag atttttgagc 300
ccatagggtca aggttggatc cactcttctc tgtaatatta gaatagggtt ttctctcttg 360
ggccttgat ttggccattc tagaatatag ggtttag 397

<210> 23853
<211> 331
<212> DNA
<213> Glycine max

<400> 23853

agtttgtgac aggtccacag cacaggatgc agaagcatat ataaataaat attaaactat 60
aatagctaac cttttccaag gtcatactca agtcatgga ccaccaaggc tattccaact 120
actgaatcgg ggccagagag gggaatgtgc atggttagacg ccatacaata cactcagatt 180
agctactttc aaaatggaat tatagggtcaa aagagggttcg gaattatgac ccacaggctt 240
aacaaccatg attcgataaa aacatatcaa aagatcaact agtcgactac tactattagg 300
taaaacgcaa ataaaaaaga gcacctgaat a 331

<210> 23854
<211> 488
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23854

gcggcgacca cgtganactt ggattgagac catcgcanca ccgcgacact anngaacact 60
cacgctcggg caaaagcacg catcacacat ctgtaacatt gttcttatca ggcgcacacg 120
acaatccaaa tagcgcatte ttgatgacaa caagtgtcac gccctaacgg gaatattcta 180
ttatttgcac tctaacgtgt ctatagtac ctctaagag aaagcgagt acacatccc 240
cgtgagcaaa cggaggaacg attatattcc tcaatgtcgc cgggcattag accaactgca 300
ctgggttaga tatggctgga acactatacc ctgtgacgag catctgatta agggccgca 360
gatcacacat atctgcacgt gagagggaaa cgcataatc gacaaaggc ctttcttcaa 420
aacgagggtta tacatctcag gagagccatc tgcaacctgt gatgggcaag actcgacaca 480
aaataccc 488

<210> 23855

<211> 373

<212> DNA

<213> Glycine max

<400> 23855

agctagtaga acaaaatttc cttaatcatt ggcaaatatg catgtgaatt acgacgcac 60
aacaagaatc aagccaaggc tattgtgcaa gcaatcaatg gggcataaca caccaaatga 120
ttataatgat ggatggctca aatgctcaca aaagtaaaat catcactttc aaattgagct 180
ttcaaaacta tcatgacatg tagagaagaa tcaaggattt caagtcacaa aatgtcaaga 240
acttttattt tcaaaacaat taccattttc ttgaacatat cctataattc aaagaaaaac 300
atgcaaagtc gtacgtgcac acaaaattga ccacaaatat taaactgaaa atccgacgaa 360
actaacaaca tta 373

<210> 23856

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23856

cacaaaaact caacttctaa gaaagtaggt gctaccatat gcctatgttt tgtntacgat 60
gtggcgattg aaccatcggt tcagtaagaa aataaacatc cgaatgctca caatcaaaac 120

gtttagaatg accagcaaca aaatgctcac aatgcacaga atacacggaa tgctcaacat 180
gcacagaatg atcaggatgc gcactatgac taactaatct atgaaaagtc ctatctatct 240
taagaacgca ggggtgaaaa ataccaagat tgcccctagt acaggcacta tatgttgcaa 300
atcatgtatg tctaaaacaa ccaccaaagg taaaactaag ggtcaaacta ctatgatatc 360
caaatgagct gaaa 374

<210> 23857
<211> 515
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23857

acgagtgagc ctgaatcctt gtaacntcga ancactncng aacacgaccc accgggggan 60
ccagcaaagn caatcctgaa ggcgangcta tgtttttggt tatatatata aactacgaga 120
gcacattcga ggaaccaagt ggcgacactg cccaacatca caccctctca tctagtcacg 180
ccgatatcgc aacagcgaaa gctcacgaag ccctagctac atccccacac acgaagcaga 240
ccggctggag acgtggtgcg cctgctcaag tactcacaaa gcgagagcca actgggggaac 300
gaaccgacaa gctcacgccg gtcgcagaag aaactgcat ggatcaggcc tgggggaccgc 360
caaggcaccg aagccggcaa cgtcggagat catgttcgcg cgaacgaacg gccggcccaa 420
caaaacgccg tgacaaacca gccgagtcct gcgccacgag cgtggagaag ccgacgggat 480
cgcggaacctc aggcacacgg ttagggagca ccgcg 515

<210> 23858
<211> 448
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23858

ccgcgatcga attgggaaaa gcagaaatat gccgacacga aaaccacagg ggagctgaac 60
tggaactcga canaaataga gtgttacaca acacacacca cgcaggacac ttacattaa 120
gcggaaatgc caacggacca catgctacaa acgcccacaa ccccggtcc cgacaggaa 180
ccggaaccc cagtgaacag aacagcgtac tcagaaccgc agagagccag catggaccct 240

aaacaggcac gccgacgcac aatgcacaga cctggaacac cagaacacac ccgcgagcca 300
aagatcagat cgcacgctgc gtccagcgcc cgagctcatc tagatggcga atcaagagcg 360
agcgaccaca ggaacgagga cctacgaccc cgtcatcagg tgacgcacca ttccaggacg 420
gggcaggcaa aaagcaccac agcagacg 448

<210> 23859
<211> 240
<212> DNA
<213> Glycine max

<400> 23859
ggaatgactg atagctgaac gccggactaa cgacgagcgc gttggtacat ttaacccccac 60
gctcgcaa at cgcctctttc agggactaac agactgcaag atgctatgcc ttggcaatgc 120
aatttagcaa cgaattccca tagatacggg gacttgggtct gaggcagtcg tatctacgtg 180
caataactca ttcttgcgca cactacccaa tactgacctc ccatgagtcg acggcaccac 240

<210> 23860
<211> 251
<212> DNA
<213> Glycine max

<400> 23860
gtccctgact gtgacctgaa cacaacgacg acttgacgcc tagaactttc ttttttgaca 60
cacaacacgc cacttctaga cacctgttag acggaccgtg tactgcaa at gtacgatttc 120
caacttatag gatagtaacg actgccatct aaggaaactc ttactccata actcgtacgt 180
ttagaactac tcagtatgac atgtaatcaa tatatcaggg tggatgatat tactttcttg 240
tccatcctaa c 251

<210> 23861
<211> 370
<212> DNA
<213> Glycine max

<400> 23861
agcttttgac tgactatacc aagctctagg aaccagggac ggagaaagat ctatatatag 60
gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120

tgaagaaggc aaagtcttag tgcataaaaa agatatcaag gaaaggtgga aggtgtattt 180
ccacaactta tttaaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240
ggaccggaac tataagtact atcgctcgat tcagaaacag gaagtaaagg aagcgttgaa 300
aagaatgagt aatggtaagg cgggtggggcc agacaacata cctattgaag tgtggaaaac 360
tcttgagat 370

<210> 23862
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23862

tgtnttagaa ttgtgatgta aaggtgagta ggaatgcctg catgttgctg agaacggaac 60
agcagccatt gctgcaagtt tttattcaat cagtgtgtct cagaggaaat accgaaatag 120
taacacacag aacagaaata atatttatgt aatgttgctt tgacttgtga agggagaaga 180
taagaataat gagtgaaga ggaagtgtgt atgtgtctct gagtttgtct tcttatcttc 240
attaaatatc tcatttcgag cagcagccaa aatattgggg tgctactatc cccattcatt 300
tttttgcgac actggttaggc tggctctctt ttttccttct gtgatcaaca ataatacatga 360
ctgaactgca tgtccatgaa actagttgat gaccgaatca cccctcagat attttctg 418

<210> 23863
<211> 377
<212> DNA
<213> Glycine max
<400> 23863

ccgggatcct gtagacctac ctgccgaccg caagctttca attttttcta gtaccgtag 60
ggtgcctcat tgggcttggc tcattgatat ggtcctatag gctacgtata tattccccat 120
gaacacgggc ttaaggcatt tgacttaaat catggctcgc ttaacttagt aattagattg 180
atttccaccg aacatttgaa ttatatgatc cggttcacttt ggataatata aattccgacc 240
gctcgttcgt gccttatcga cggttcgaaac atatgtgacg tcttaaaatg tttaagaaga 300
tctttgactg cctgaccatg aaacggcgga aaatcagtcg gacgttgttt ctttgggatt 360

actcaatctt aatcgaa

377

<210> 23864
<211> 200
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23864

aactcgagct tctccccag ttatctataa gttaggggag aagtgatttc nagttggtgt 60
gacccctta ggcgctactc tcgtctttct accgttcttc gacattcttc attcgctcctt 120
catcgggcgt cagacttcaa cgggtagagg cgggggcccc aaacgatata ttcgtgcat 180
gtccccgcgg cgaccctcaa 200

<210> 23865
<211> 310
<212> DNA
<213> Glycine max

<400> 23865

ggctcttctc tgaactgaat cagagatcac ggactgagat ctctaagcac cgatttgcac 60
ttaactggac caccgggtct ggggttcata tagaccctt aagctctcac aggggtaaca 120
cgtttctta cagagagtaa gctaacgggc tgaaaaccgg aacgcattac aaatacccca 180
gccaagatt atatgcataa ccaaagtgc agacgcgct gaaggagcta agcgtttaac 240
ttcgatacct tgtgtcaaaa gaatgcatat ccgctgaagt aatcgatctc tcggatattc 300
caagaacctc 310

<210> 23866
<211> 757
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23866

tctocactcc gcgtcgaca tctagtgtac acaatagtcg atactactga tgcaaatagt 60
caacatttct ccncncanca agageggtna antttgagac cgtagcacat accgagacac 120
tnananaaga cnaaaacgct tgtgcaatcg agtaatacac agcgagcnag agcatacaac 180

tcatanngct ataccgtcta cacagagagt cggacgatct gaaacgcata gtacctcctg 240
ctgagagaac aactaaccac caccatacac gcgtaataaa ctacagaaca cagtaacaca 300
tactctatct gactagacta atgatagctg caacaaccgc aacatgacaa gcatcccgtg 360
cacatgctaa caactatgcg cagcagctga acgacgcacg gcatgtcgat agcataatca 420
tctataacat aactcgcacg gcacatacgt agcctagacg ccataacgac atcgaatcat 480
gaatagagtc tcgtacaaca ataancaccg gacattgccc acgctacgcg cactgcacgc 540
tgccgagtcg tatgtcaaca tacaatcgac ctcatccagc aacaacatgg caccgcgaga 600
nagcgtgacg aaacttatag cgagccacaa tacacatcat atatcactgc atcgancatg 660
cacgtctgaa actatgcctg ncgaatcata tatccgccga aacactcaat gaacatacga 720
ccatcgccat acaacatcgt atagtaccaa catccgt 757

<210> 23867
<211> 253
<212> DNA
<213> Glycine max

<400> 23867
agaatactaa ctgaccgacc tcatgcacgg acttagcacg agtgagttta ataaggacac 60
aagagcaagg ggcacacgc caggtccaat catagctcta acccatccga cgaccacgac 120
tatacccaca cccaccatag ttaccggtgc acagtctcca ctcaacacag caacacataa 180
caccacatac ccaagccagt tcgcaaacca ccaccacac cagtatctaa accgacatct 240
aaaacttcgg ata 253

<210> 23868
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23868

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aatgagtctg tcctccnac caganacact tacaggatct ggaatgcaca cagtagtatt 120
acaatttaat atgcacacag agacatgaaa cgcataatgac aaaacagccc tcgaattaca 180
aagagaacca cttgcccaca aagaacggaa tacttacaac aatgcgtaac tagccgagta 240

cacatctctc actataccag gtcacgatag tcaatgggaa cgctcccaaa aaagagaagt 60
 gagcctgaac atgnacaccc gactctagca agcacgcaga gaacgccagc agccacaact 120
 tggattttta atgaagcacc cgaaccacga caggtagcat ccagacaagg ccgcccagg 180
 agaaagaaga aacagacaca tgccaacacc ctggcaagga gaacacgcag gggcgaggat 240
 gacaagaacg aggacacggg gaagcggccc ccagccact aacgcgctta ggaagggcgt 300
 agcacgcaac accgagaaga ggaccggacc taacgactct cgccggaaca caacagaggc 360
 aacgacgcga gagaaaaaaa gcagagaagc gaagggacga caagcccaga ggctgaggac 420
 accaagaaag 430

<210> 23872
 <211> 571
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23872

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 atcggccacg ccgcgagact ccgtctggta gctcgtagca tgcagagcct tgcagagtct 120
 tgcataccta tacacacgag tgagtagtag tagacactct acatattggt agagtatgaa 180
 tagcactacg tcataacagt tacataactt atttcgccat acatagtctg ctgagagatt 240
 taggaactgg aaactatcta tgaaatctga gaatatgcat cgaacgggtg ttagcataca 300
 ctagtctctt tcagagcgag gacggtgctg aacgacgtag acatcgctgt ggtatgccgt 360
 ggttctcatc gataagagaa ctacgtctgc gnaagtctgc tcaccacagc cgtttaattt 420
 cgagagacaa acagtctgga aataacacgg acaaagacgc agatctatcg aacgttttta 480
 gtgaataggt tccgtagttg tatttacaca cggcgaacgt attatcacc caccgtccg 540
 tcccattgga cggcagcctt tattgatgt g 571

<210> 23873
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 23873

ccgcttttat ccatggactc ctatggaggc gagcttcttc atactcatct tctccttgaa 60

gtggcgtctc ctctctctct tacttataca ttccgctgcc attcatcttc caagaagcaa 120
 aggaatccat tgatgaagag gatcctatgc ctacaagctc caatggagca tacatcatgt 180
 ggtatcaaga gcatcttcat ctaggcgatg ttcttttgct tctctatct ttttgttccg 240
 agaattctct ttaattacct gttcttcatc ttactctcca tgtatatacct ccattgtctt 300
 gtgggttggg gctcgtaga gtagatccaa aacaaatcaa ccgattaaat tttacatcta 360
 cacttgttca tgcattctta tgggtcatac ttttgaaatc tactcttgaa tcatg 415

<210> 23874
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 23874

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 agtatgatag tcaccgcttt atgagcgcgg tacaccagca gcgcttcgaa gccgtcaagg 120
 ggtggtcggt tctccgggag cgacgcgtcc agttcagggg cgacgagtat actgatttcc 180
 aggaggaaat agggcgccgg cgggtgggac cactgggttac tcccatggcc aagtttgatc 240
 cagaaatagt ccttgagttt tatgccaatg cttgttcaac agaggaaggc gtgcgtgaca 300
 tgatatcctg cgtagggggt tcaggtatcc cgttcgatgc cgactctatc ggc 353

<210> 23875
 <211> 200
 <212> DNA
 <213> Glycine max

<400> 23875

aagggttatc ctctttttct attattttat tgaagctatg ccacatgtct ccctttgact 60
 ggagcaaata gggcccactt taccttttga ctgtgacca tactcatcct caaaagtggg 120
 gataatctgc cctttgacac gctctaattc tgctcggat tgcgtgccat ttctatgggt 180
 acacctactc gcgtttcttt 200

<210> 23876
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 23876

atcttgctct aaatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60
gctttaagag taatgtccca ctaaaactaa ctttccaaat gtttgccttc gcaggaatgg 120
ccccgaggaa gcttgcctca aagaggtcca ggaaggacaa tgcggccgaa ggaactagtt 180
ccgccccgga gtacgacagt caccgcttta cgagcggtgt acaccaacag cgcttcgaag 240
ccatcaaggg atggtcgttt ctccgggagc gacgcgtcca gctcatggac gacgagtata 300
ctgattttca agaggaaata tggcgccggc ggtgggcacc actggttact 350

<210> 23877

<211> 406

<212> DNA

<213> Glycine max

<400> 23877

tgccaccag ctcgcccagg cgatctaagt tgcttcctcc agaagcaaca gccttctgga 60
gggcccaggt gggcctgggt gctatttgca cccccatttt tactaaatac accccctgct 120
ttttttgggtg attctttttc gtaaagttac agaaacttac gaatttcgta acgatacttg 180
ttttctttcc gtaatgttac ggaaccttgc ggattacata atcatccct ttttgactta 240
cggaatgtta cggaacctca ctatttgtgc aacgatgctt ccttttgatt tctgggtgtg 300
cacggaacct tacggattgt gcatcaatat tttcttttga tttccggcac gtcacggaat 360
ttcacaaatt gcctaattgat gggtgccaag cacctcataa tgacca 406

<210> 23878

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23878

agcttggtgt tctccattgc actgaagacc gtgacaggta cgtttcatct acctgtgttg 60
ntctattgaa cttaaagaccg tgaccgtgct aggtctgttt ctggaactcg tggtaagct 120
aaggactttt tttgggtttt ggtgcaagga ttggcaaact ggtggtcacc tgaggtacat 180
ttgactggta gtacgtggtc tttgtgggtca gctgaggtag atttcaccta aggtacaatc 240

tcgccggcat tgttgctggt gggttcgagg taagcttcat gtcttcattg taactttgtg 300
 cttccgcgta tgtgggtcttt gtgctctttg ttcttacaga ttgtagata gttttttaat 360
 tagttattac t 371

<210> 23879
 <211> 478
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23879

agagcatggt ttnttttgat accatgctat gtacgcgaca ctatagaata ctaccgctta 60
 gcatcactct taatnttatc aatttgagct ttatgtgcta atggaggaaa aacagaagca 120
 accaaataat tcacaatatt ggaaaactag ggagtgggga aggaatcaga aatactatac 180
 agaatgtaca aatgggtcatc cagaaaatca tcccgaatag gtgagtcctt agacacacgc 240
 tcaatcctac tcaagtgggc aaccacaagg ttctgtgcac cgctccgac acggatctcc 300
 aaatcaaact cttggagcca aagcatccac ctaatcaatc taggctttga ttcagccttc 360
 ttcaacaggt acttcagagc tgcattggtca gtataaacia taacacgagt accaagtaat 420
 tatgaatgaa atttctcaag aggaaaaaca tngctaatac ctcttctca tggatatgn 478

<210> 23880
 <211> 351
 <212> DNA
 <213> Glycine max
 <400> 23880

agctataagt attgaaagaa ttaggatggg cataaatgtc tccgcattga ttggaaaatc 60
 tgttcccaa atccctgaaa aatgtaaaga tccaggtaca ttcagcatac cttgattata 120
 gggaacaata attttgacag tgccatgcta gatttatgag cttccggtag tggtatgcct 180
 ctgtctatct ttaattctct ctctctaagt gcattgcaga caattgatgt ggtaattctc 240
 tctaagtgtc ttgcagacaa ttgatgtggt aattcattta actaatagaa gtgttgccca 300
 tcctgctgga ctcataaagg atgtcttagc taaagttggc gaactggata t 351

<210> 23881
 <211> 319

<212> DNA
<213> Glycine max

<400> 23881

aaactaagct ttaccataa ttccactaaa ttagggcaaa tatgctttga atttaatttc 60
ctcttatgaa tgatgctctc ctacaaccta agacaacgta taaggatata aactgtacat 120
gctcaagggt caatcgagca atcatacttt catctcataa tgggtgcaag ggataaatca 180
atcatgcaca aggtaagctt tttagctaaa tggctatctt gaatcaaaac atggccttca 240
tcctctcaaa ctcatgtttc attccatact cagagattca tgcaaaagcc attacttact 300
gctagtcttc tctacaatt 319

<210> 23882
<211> 368
<212> DNA
<213> Glycine max

<400> 23882

agttttggct tcttgattaa gctcactgat gaacttcaat ggagactgcc agacaagagg 60
ttctgcagat gtaagattta gcaatgatgc acaggctcca tgtttggtt tcagagcaac 120
catatatggt atccgcctgc ataaacacac caatcaggaa ttcttataat atacaatgag 180
gaaaagatgc agggctaaac ataaaagcta tgaacccaat ctaccaataa atggccaaat 240
cgttaaataa ggaaagttgc aataggaaaa tgccagatat gagtacagga aagggcccat 300
caaaacaagg gatggaatta tcatatcaga gattctagaa taacacagat aaaataatca 360
ataaccaa 368

<210> 23883
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23883

ntgggagggc acatgagata gcatagaact gctatTTTTg atggtttggt gtgtggtaaa 60
ccttcttctt cgttgtccat cttgaaggaa tcatcgaaag atggtgatca aaagttgaat 120
ttgcgcttgg acttgaactt gacgccattg gaggaggatg atcttaagct caacctaagg 180

acgcccgtgc tcaattgttt catttgattg gaaattaatt ttgtactaaa ccagattctt 240
 tttttcttat taatatagtt aatgtgtatt tttcgtaatt tattattata cgtacgacct 300
 ataggtagct cattttgtag tcatattgtg ttcataatac gaaacttctt agttcttacc 360
 cagttttgct gactgactgg cgggctaccg catataattc ttattttctg gaaaatgg 418

<210> 23884
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23884

agcttatttc ttattcattc attctcttga attgcttggt gttgggttact ttgtaaaatt 60
 gggagggttg catgcaagga tttcctatgc ctagctaatt catcataaat gatttgaagt 120
 gatgatattg agtggtgctc taagttgcaa gtagaatgaa caaaatgaat gagttgggtg 180
 tatgacctat aagtgaattg ttgttggtgaa atgcccttgt atttgggtaa gattctgtga 240
 accactgtga tctatatact ttttagtttg atttagaaat tggttacaat gtgtggctat 300
 gtgtttaatt tcaaacaaaa caagagtga ctttttttca tgtagctaac atttttggtg 360
 cttttttt 368

<210> 23885
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23885

ntataagcgc gggctctggga gacgaaggct aagtggctgc aatatacaaa gatgatgttc 60
 caagtacatt ggatttggtg cgacctcgcc ctctaattt ccagctgggg aattggcgag 120
 tggaggagcg ccccgacatt taogtagcga gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctaggc ttttagagttt ttcttttggt taaggctttg tgtatttttt 240
 tttttttata atacaaggat cttttttcat ctgttcttac gtctctaccc attctcatcc 300
 atttgcatgt ttacttcttt acttttttaa acggcgagtc cgatgacgag tccctcgaag 360
 gtactaatac ctgggacccg cctatcaact tcgagcaaga aatgaatcaa gcggaa 416

<210> 23886
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23886

agcttctagc tctataatat tatattctat ettactttcc tttctcctcc tcccccatgt 60
 tctcttcaact ttccttctctc ctcccccatg ttttgtcttt ctttcttttc tgattacgca 120
 ctcaactcaca tgcattgtgta acaactaaaa taattaatat aactatttta aaaccattac 180
 taaagctttt tttcataata gcgttttttag cactttttatt aagacaaccc taacactaca 240
 atctatatcc cgtgcatgtc atcccatatg tggctagagg tttgtattgt gttgtgggtca 300
 aggctgctta cgcactagtg ttctgatga aacactacaa tttctacagt tgccacttta 360
 gaattttg 368

<210> 23887
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 23887

ttgaaaattt ctcttgatga aaactatgac ttgcatcctt ttgagttcaa ccattccac 60
 ttctgcacca tgggggtttgt tacctcgggt gaaaaatatt attcgaccg ttcgattgga 120
 gacactactg ccatgatctc cacgcttgag agtggctttg cgcaaccaac ggtcgaaaat 180
 attcgctcaa gccttcaagc tcgaggtata aattactttt gactttttta attgatatgt 240
 atttatgcc tttctaatat tattactttc aggcaaagca cccatgacga agaggagtgc 300
 tgaaacgtct tgagctgacg tgagacccaa gaaacccact gggg 344

<210> 23888
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23888

tgttgtcaag cttgtgcatc caataccctg atgaggatgt cccatatgct cttaaaactg 60
 gactgatcca tttgcttcga aagtttcatg gccttgacg tgaagaccg caaaaacatc 120

taaaagaatt ccatattgtc tgatccacca tgaaaccct agatgtccag gaggatcaca 180
tatttctgaa ggattttcct cattctttag agggagtggc aaaggactgg ctatattacc 240
ttgctccaag gtccatcacg agctgggatg acctcaagag agtattctta gaataaattc 300
tccctgcttc tangaccaca accatcagaa aagatatttc aagaattagg caactcagtg 360
gagagagctt 370

<210> 23889
<211> 522
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23889

cgcgacgtcn nnattgatnc ctganacnnt tcnaanancg nganaanann anaccanccc 60
acgtctngta ctaagatctc anacctnctg atgcgtanga gagtcacata ctctattaga 120
caacaagcgg catccaccta tgccgagtgg atctaaagtg tatcaatagc acaatactgt 180
aaagtggagg actgctgcac atctgatcca cttgccgata ttgtaaccca accctctaaa 240
ggggataaagg tgataaacat gttacacggc acaagaattg cgatttgatg ataccttatg 300
acaatcagaa ttatatggaa cggcgccaga aatctaattc tcgaattcga gtggcggtag 360
actcgattgt acattgaata taagagagtc acagattttt cacaattctg ctataagtgc 420
caagcctaag tgcgaacggt tgcagctcat tctgcctgta taaaaggaac tacatacact 480
ccagggagga aagctctcca tattatacat tttacggctt cc 522

<210> 23890
<211> 361
<212> DNA
<213> Glycine max
<400> 23890

agtttgtgtc gctaagcgag ctgtgcaaca aatctttgag gtgctccaat tcaactcctt 60
gtggcttcct tcttccttgc ctttgatgag tagttcatcc ttgattctct tggccatttc 120
ttcttataga agcttggctt tggaccttgt cattagaccc ttcaactcat gaagtgttc 180
taggtttgta tgctctttgg atagtcctct atcacactaa ctcaaaatat ctaagcatac 240
atttcaaaat cagggcattc tttatagtag gttcccccaa gaatatagca ttgtctacga 300

actgcaacaa aggaatggaa atattcttgt tccctacttt gatgctaataaaaagctcat 360
t 361

<210> 23891
<211> 257
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23891

ccccccattt ccaaagtgca taacacctcc acgatcacc acccacagaa gngttgattg 60
agacttcctc ggaccaaaaac tactcccc ancataaagg ggatttgatt aaatgggtacc 120
cctagcctct cctcctcaat gctagaaata tcccgaaaaa aacaaccag cctccgaact 180
tcgaaccttc agagatacca aagattcacc gctcacgact catcgctcac gactcagccc 240
acggaaaacc tcgacca 257

<210> 23892
<211> 354
<212> DNA
<213> Glycine max

<400> 23892

agcttgtagg attatggggt acccatcaca tgtggtacta ggtggaggtc ggacgatggt 60
gcaaaacaag ttctccacat ccacaaatca cgtacaaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccttacct cgttcctctc aatgccgagt 180
ccccatcaat cctcccaagc ttacacaaca tccaagtaat tcaacatcca ctcacacaa 240
actaacaaaa ccaagcaaaa cagggcaaag gcaggaaact ctgcccaaaa ctcataccaa 300
aatcacagc cttttctcac ttaaagacc cagcaacatt tccttcgttc caat 354

<210> 23893
<211> 410
<212> DNA
<213> Glycine max

<400> 23893

tttgaatgaa acaatgtgac tttcacatt taaattttta tttcagcgtt caagggcact 60

ggtaatcgat taccaaagca ttgtaatcga ttacagcctt ttgaaaatat ttggaacggt 120
 gtaaattcag tttgaaaaca ttttcaaact catttttgcta ctggtaatcg attacaacaa 180
 tatggtaatc gattaccaga gagtaaaaac tcttttgtaa aggttttgtc aaaaactcat 240
 gtgctattca aagttttgaa aaacttttta atacttatct tgattgagtc ttttcttcat 300
 tcttgaatct tgagtcttga atcttgatct tgattcttga gatcttgaat cttgattctt 360
 gtttgtaggc tctcttcttg agtcttgaat tcttcttgat tcttgaactc 410

<210> 23894
 <211> 336
 <212> DNA
 <213> Glycine max

<400> 23894

agtttgtata tttttgcatg tatagcatag aaacacagaa aataaaaaaac atgaacaaaa 60
 gtgcatttaa aaaaaaagt caggttttac attggaactt cccatttttt gtaacagaaa 120
 ttaaaaatga ctttatttaa aaatcaatat agtttttagga aaagaatgaa gtgttttttag 180
 ttgaataaat aaaaagaaat tgttttattt attaaaataa tggttataag gtaaataaaa 240
 taaatatatg ttcttaagaa ataaaatgga gatcttattt attcatttga taagggtgtaa 300
 aataaagttt ctttttataa ataattaaat taatta 336

<210> 23895
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23895

tctcccncaa ttntctataa atagggggag aagtgaatta tattaggggt cagccctta 60
 ggcatttctc tctctttcga atttgcttag aaaaattggt tccgagaaga aaatccaagc 120
 cgaggcgctt ccgtaacggt tccatgagtg attttgcgaa ggttttcgac cgttcttcga 180
 cgttcttcat tcgtttctca tcgtttctca gtcttcaacg ggtaagtacc tcaaaccaag 240
 cttttcaatt cattctatgt acccggtgtg gtccacactt ggtttcatgt atttttattc 300
 tcgtttcatt tattttttat accccctttt gacgtgctta agccatttta tttaagtcac 360
 ttctcgctta aactaaaaat aaaataaatc tccaccgatc gtttgaa 407

<210> 23896
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 23896

agtttatcat ttattacaac atccttcaaa ctacagacta agctatcgta taaccactcc 60
 atcccttctt ccacgatctc aaccacccac gcctttcatg cctctattcc agcactgatg 120
 cctcatagtt gtttaagtct ctattggctt agcacgccac tcatcccaac tacatctctt 180
 gctttctcat gcaagttggt cttgttcctt ctgcctctg catattttaa acatagaaca 240
 ctaggaactt gcttaagatg agaacctcct acaccattcc ccactgttct tgcagatgcg 300
 attggacaac catatactgc cttatagtga ggcctatttg catgtgac 348

<210> 23897
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 23897

ctcaagccta aagctcacc tatagttgac atggataaca cgaactacag actctgttgc 60
 ggaacggacc agctagctac aaaattgtta gctctacata gacagcctca tctacctcac 120
 cttcgaacct ctctcagctt aattccagac gcaatgatct ggtcctcaga ctgtattctc 180
 ttgttttttg acatttatga gccttggcta catcaatcag atgatacttg cgactcttct 240
 catttttttg ctcttgaaaa agaaaatgat atttctcacc catatttcat actctctctt 300
 ttcacggggg ttccatcatc ctgtaccttg tgaaaaagca aactgcgtca aggagactgg 360
 aatatgcttt tctttcgcta agatctagag ccagagatat cttaattcac ct 412

<210> 23898
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23898

tatctgcttg caagcttget tctacaaagc atcttaattc ggtagcaag aatcaaaacg 60
 ttagcaaatg aaggccccca gacgaaatta gggtatgaaa gttgcccctc tttacttacc 120

ttttattgga aataaaaggg aagtaaagac aaagacacta atttcattcg agcgatctca 180
 ccatccgacc ggccactaga ggaggcccaa gcagtgaac tgaagaagca tgaagacatt 240
 gaagttcttc cttttcgatt tctcctttat ttatattttc atttctctatt attttgatat 300
 tttcttttta aaagcataga cacagaggac gtcgagtcct atgaagcaca aggacaaaag 360
 aca 363

<210> 23899
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23899

tgcggtacnn ttttgagttc ttggactgac acgcncgaca nncgcganc actctgaata 60
 ctgagctggt ttgccgacca tcaggagatt tcttttctac tttttcgaaa tncaacggca 120
 gatctgtcca gagaaatcct gtttgagact cctggtttgc acctatgcgg gaacttacct 180
 gcctgtatga gaaaattgtg tgacattcca ctgatactta tcatatccga taactctggt 240
 cttcttaaag attcatatct tcatggaacg catttgctcg ggacttattc ttgaaagtag 300
 tggatgattg cgccgatggt ctcgctcatgg atcccggcat ccatcctggg accgtcaagg 360
 gcacactgct cctttagttg tgaacctacg agggctcgat agacgtcgga ctgtataccg 420
 actggcctta atgtgtggtt acagtgactt aatcgctc 458

<210> 23900
 <211> 349
 <212> DNA
 <213> Glycine max
 <400> 23900

agctttcaag cttgttataa taagagaaaa tgagagtcac agaaattatg gaatggaaat 60
 gacgacagtg atgatgacta ttgagaggat agtgagagag acagtggaaa tgagaaaccg 120
 acgatgatga aaaaatggtg atgatcattg actaagacac ataccacac cgtaaatttg 180
 accgtgacct tggaataatc atatgaagtt gttgattgga tagaacttgc attgatccta 240
 atacaaccat catcactacg atgattagac ttcatcacca ccatataata tccatcacca 300

ttagtgatcat tgggaatttaa caacctccat atttggtact gacactatt 349

<210> 23901
<211> 407
<212> DNA
<213> Glycine max

<400> 23901

tgtgcgctct tggcactgcc atttgtttga taaattttga aggagaccta ttccggagat 60
ggattaattg atgatgacat acctgttagt aacagcatac ttatagctag ctgtatagaa 120
gaaaagggat gataaagggt taaataaaaa ataagaatgt agaattatat tctatatata 180
acttaatgaa ataatgaatt ttatatgcag ataaaacgta ataatggtag aacttataat 240
attattaaat agataaaata tatagtcaaa aaattctgat atatttagac atcttaataa 300
tatcaatacc ttattgagat cctcaatttc tctctattat ctgtttttta cacatcatat 360
taattattta tcttctcttt ttttagatct tttatttttt tttctat 407

<210> 23902
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23902

agcttatcaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60
aacataaaaa gggaaaagggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120
tttctatgct tgaaacaaaa ttgattgggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggttttcttta 240
gacattaggc tttcttttca aagaaaacag atgagtgaat aggcaattta gtccctgaga 300
ttgtaaccac ttgcatatt agtccctgac ttanattnta attcataata gtccctaact 360
ttacataagt 370

<210> 23903
<211> 417
<212> DNA
<213> Glycine max

<400> 23903

tgaaataagg atttggcttg tagaacataa gttgatgtat aaaataactg tttctctttt 60
 caatggcaga acttaccaat gaagttctgt aggagtcacc ttgatttgca caagaagcgg 120
 agacttatca gccttcacgt gttaagtggg agaatttggc ctgccaaagta tcagatccat 180
 aaacaaaaga ctgctataag attttaaactc tcatggaacg catttgtcaa ggacaataac 240
 ttgaaagttg gtgatgtttg catctttgaa ctcgttcatg gaactaaact aaccttcttg 300
 gttcacatct tcagagagac agatagttca aattgttcaa cgtctcaagg taggattgat 360
 gtttgctttt ctattccaac aattccttat atgtctggta aatatattca tctatct 417

<210> 23904
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 23904
 agttttggca cattactcct gccgccacca agccacgttg aactctgctt tagtttttaa 60
 aagaagaggt agcaacatca tagtaciaag aactacccaa tgatagtga ttaggatttc 120
 aagggtgtgt ttaatagaag gagaaaaaat agaaggagaa gaagtatgta ggcgagaaaa 180
 gaagagtaaa taaatgttgt ttgaatgaaa agaaataaag tgtgaataaa ggggaaatat 240
 ttgaattaaa gttatttaat aagtaaaact ttataattaa aaaaataaaa aggcaaaaca 300
 caattttaac aaacaataat aaccaatttg caagcagggt cagtgggttg aggcagcgt 360
 gcaagtaaag 370

<210> 23905
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23905

ctggtgatga gggagttgaa tattacaatc catgggtttg tcatttgana ggtcagccaa 60
 agtgtgtgtg gagattgact tgtgccattc agtaacgggg caggtttgat tttgcaatta 120
 cataggttga cgacatcacc tacttttgta aattacaggt gtttttattt ttatttcatt 180
 gagatattgt cagcattagt caaactaagg aaaagaattt ttactactggc taaagttgac 240

atggttgaaa ggatgtttta tcaatgtgat ataatttata attttatata ttggttaacaa 300
 tttctttaat gtgtttgtgt gcgcccttct aaggtgatgt acagtgggtga aaattttata 360
 atatgtagca ttacttttat atacttatat tcattttatac atgtgaaagg cgaat 415

<210> 23906
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23906

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 atttattaac cctgtcgtt ttacttctga ttgtggggaa ggagaagata acggaaggaa 120
 aaacattggt tttaaaaaat atatatttg ccaaggatga ggagatttac ccacactaga 180
 gggtttgct tctgaaaaga agatgaaaat gtcaaaattg attgtcaagc aatctttatt 240
 tatttttatt tttttaaaaa aaggcagatg aaaagatttt attagaacac atcactatcc 300
 ttctcaaaaa gtgtttaaaa gatactacaa aatagttcat aaggacagta gcgattttac 360
 taatataatt 370

<210> 23907
 <211> 420
 <212> DNA
 <213> Glycine max
 <400> 23907

tgaactgcat gccaccttga gtttttcacc agcagctcaa atattcattg cactgaccac 60
 atctgcaatc acaaaaaacca aactatatcc ggaaatgaga tgattaatta ctgtttaact 120
 acctagtaag caatatacac caggaggaaa acaaggggtga ggaactacat atacaagata 180
 caatggcaat cggcgttaca tgtaaagatc ttaccatttc tttttttggt ggtgctacta 240
 cacgcatggt ttctcgtcaa caacgacgga tattactatt gagcaaggga gatcacagca 300
 attatgattc ataagctatg gaaataaaca aatgaataga tactaattat atgtaaacgg 360
 cgaagaaagt tacctgcata aaagatgac aggttgcct tcaattctgt atcatcaaca 420

<210> 23908
 <211> 343

<212> DNA
<213> Glycine max

<400> 23908

agcttgctat gttcgtactg ctgaatttct tgagaatagg agttgaaaat gaagagctac 60
tttcgttttt actccttatac tgatactgac taaaacgatg cctttataac tattagtacg 120
gagttcttgg cagacaaaaa ctgttgata tagcaaaggt ggttgatagt gatatatcag 180
atgaggagaa tgtgatgaat tatgaatatt cagaaaacac tactaactgt atcatctcct 240
taatctcttt aacacataat aggcaaaata tacaacatct atcaagtctc actatggccg 300
tggcattcaa caaagtctta agccaagaat ttcaatcttt ctt 343

<210> 23909
<211> 423
<212> DNA
<213> Glycine max

<400> 23909

ctggaggtag tctcctagta atagcatcac cacctttttg cctttgctat ctagaagcgt 60
gaacgcactg tgatcgtatt caatatacgc aattgtgctc tttgatactt gaccaagccc 120
acactttatt tattaattaa ctatatgaaa aagcgaagtt agactgaagt aaccagggat 180
ctagagtctt atacaaatct atgaatcaca ctccgaaaaa atgaataatc atgtgaaaat 240
tttgtaatta tcagtgagaa caggaaatag aaattggaaa tgtcttctca gaccaacaca 300
cgctcttagt tgtaatgcta ttagggaata agctatagat attgactaag atgctgaaat 360
cgaacaacat ctgactgoga tattgactac ttatgctata tatgcctctt tagtagccta 420
tgt 423

<210> 23910
<211> 370
<212> DNA
<213> Glycine max

<400> 23910

agcttcccaa tttacgatcc tcttacctgc acgctttatc acacaatcac gaccagctaa 60
acaaaaaata aaagtaaaaa cgatcaaacc acataacaaa aaaaaaacg agatcgcggc 120
aaggaaaact caaattccaa acacgaaatc cacaaatcac aagaacgcaa gtcgcaaacg 180

cgaaatccag ctaatcaaaa caacaaattc ccaaataatc ataagaaaaa aaaaccaaca 240
 actttccaaa ttgaaaatca tttttccaaa aattaaataa aaaaataata acaatccgca 300
 agcagataga tcgagaagag aaacgaaagc aagctcgtga tttctaaaaa caatgagcga 360
 atcagatttc 370

<210> 23911
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 23911

tattgcacac ctcaattttg acatcaaaaa taggatccac tgcattctgaa gcatgaacta 60
 aaccacgtaa accccctggg aaactaacta caagggtcttt ctcatttact tcagcaacaa 120
 ctcccaaaag cttcattcca ggagttatat tctggaatgc atacaagagt gaaagggtta 180
 agcacagcac acgggcaaca ggaatctaaa ctccaaagggt gtatgatatc aataagctaa 240
 ataaaaaaaa tgcaacaatt aaagctaaaa gcatatcata aagaattaaa aataatatca 300
 taaaaataaa aaaactttta actgttaatt gaactcatcg tgacttcatg acatgaatat 360
 acaaactcaa ccctaaatca tgaaaccaa aactacctag ttctataagc tatgcacatt 420
 aac 423

<210> 23912
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 23912

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 gcttgataat gttttatatt tctagcttgc tgtacaagct tgtagtgttt tatagcttgt 120
 ttgtagaagc tcttagaagc tgtcctgtaa tctgtcgcca taggctaggc tgtagccttc 180
 atcatgaatt attatatata tatatcagca aactaaggct gaggatcctt tttatgtgca 240
 tattttcata ctcaagcatt tcaagtatgt aacaaaaaaaa accactctac accaattgcc 300
 tacatgttct ccttagtaca caccatacac ttgtcagtgt actgtctatc aaaagcattc 360
 ttaaa 365

<210> 23913
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23913

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 tcacaggccg acatttgata ttgaccttga tttgaactaa actggttatat catttgcttg 180
 cccacaactc gattttattg caactatttg ctgacataaa ttccaaaact catggttggg 240
 aacgctgaat atccaattat tttatatatta gcataaatgt tggtccttgc ttcttcagct 300
 ctaagtacat atactatgtg cggaatggat tcagatatcc ctattataga ttgttccatg 360
 ata 363

<210> 23914
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 23914

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 ataggaagag gtgagccaat gagtagcaga agcaggtagc acatatcact aattttaaag 180
 acaagttaat gtttaatttg ccaggaagat taagccccta aattctagac aaattttcat 240
 caagtttttag ttgttttttt ttctttttga taaatttttc attagaatga tgagagatgc 300
 attacatacg aaagggggca ttataattaa ctgccaacaa gacattaaag gaatacatcc 360
 caaaac 366

<210> 23915
 <211> 484
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23915

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 cttgctcgga acaaatccaa ctaggcctaa tggttaacaaa ggtgtaattt tgaaatacac 120
 cctaataataa aacctttaat aacttcaatt aatggaactg gggcaaattg tggcttttaa 180
 cggtaaaaag gccttggaag gaagcacttt tccacatcaa aaaaggaccc ccgaaagttg 240
 gaggaggagg aggaaaagaa aaaaggcttt cccttgaggg aaaaaatttc taacctata 300
 ctccacacc aagtacatat tagaaaaacc ttttggaaca ccttttgggt aaagtttttc 360
 ttaataaagg atttgcatga aattaaccct ctttaaacac atgttaagtc taatacaaaa 420
 ccaaacatgt taaaggggta cgctgcatgg cctatggcaa ttaccttatt acacacctac 480
 accn 484

<210> 23916
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 23916

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 cactgacaatc atttataaac tgcaaaacga ttgctactat gccacacatt acattcacca 120
 ttggaacaaa gtcctttccc ctctctccag aacagggttg ttgtttaaca tgaattctct 180
 gtagtttgta catcagtgcc ttagcactag aaaagtgatc atgcataaca atgtatttat 240
 atctaatacc tacctcaatt ttatttgggt ctctccaact tctcatattt gcttctatcc 300
 ctttccatta aaaaagtctg acaagtaaaa ataaaagaaa gctgggtattg tttgttgtaa 360
 tcc 363

<210> 23917
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 23917

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 cctgatgagg ttgcctotta acacgagtag gcttctgatc attggaccaa taacactcaa 120
 aaaataggca tggcctcctt ggtcatgcc agttatgcat taaaagttg ttgatgattc 180

ttgtattctt aatcgacttt aagactccct agcatcotta tactaagaca ttaataatag 240
 ttcacaattg caattgcaaa tgtaaggtt aagggttttg gggcctcaca accataattg 300
 cagtcacctt agtcacgttt atcctcgta atttttcaca ataicaaaga tcttaataaa 360
 actgtaacct tgatcagtgt gatcacaatt atttaaaacc ttcataagagc gcatt 415

<210> 23918
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 23918

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 ctggagttgc tgcacatgat gtccaacgtt atgtcaaaga ataagatcgg gctgcacaat 120
 gcacaaggca agatgaaatg tcaaataag aattgaagct gcaggattca cgatgtcgga 180
 tacaatgtcc aggacatcct gctcgaaaat actggaattg ctaaaagcat tgaagctgca 240
 ggatccacga tgtctgatac aatgtccagg acattctgcc cgagaatact ggagttgctg 300
 tactatgcaa gattaaagtc aagtagtgaa gctgcaggat ccacgatgtc ggatacgatg 360
 t 361

<210> 23919
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 23919

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 actctcttaa agatttatgc aataatatgg cttttgtatc catgattgaa cctaaaaata 120
 taaaagaagc cataatagat gataattgga tcattgccat gcaagaagaa ctaaaccaat 180
 ttgaaagaaa caatgtgtgg aaattagtag aaaaacctga aaattatcct gtcataggaa 240
 caaaatgggt ttttagaaat aaattagatg aacatgggtat aattattaga aataaagcaa 300
 ggtagtagc aaaagggtat aatcaagaag agggaataga ctataaagaa acatatgctc 360
 ctggtgcaag attagaagcc attagaatgc ttttggcata tgcattcata 410

<210> 23920

<211> 349
 <212> DNA
 <213> Glycine max

<400> 23920

agctttgctc cttcttataa aaagagaagt tctgaaactc atcatgttat ctaaaaaagg 60
 cattgaggta gatccaagtg ctctaatacat tcattagcat attcatgttt tggcggcata 120
 ctccccactg tttgtttctt tagggaactc accataacta aaaaagcgca aaggcacccc 180
 tataaactc gatccagaag taagatggat aactaagagg gagtgcaaga acagatgaat 240
 gctgacctat cggccttaaa agatcaaagt gcttctatca cggaggccat gctaaagctt 300
 caaaaaacta tagaagataa tgctactgcg gccgcttcca atacggcta 349

<210> 23921
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 23921

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 ttcagaagct aaaaactagg accactcaaa ggtttttgtt tccccattat ttatcagtat 120
 aaaaaaattg ttgaaagtgt atatataatt catgctcaaa ttttaatttc atgttcaatt 180
 aaaacttttag tcaacaaaaa ttaatgggtga tattttcaat attggaggac caatagtaca 240
 atgaaaattt taagtgtcct atatcttttg taggcaataa ataggatgtt atgtgtctaa 300
 tacttctttt ttaatgagaa cagcattcct actcattcca tgaccattga tcaaagaaga 360
 gtttaaataa atttaatacc tcttgaagat atcctttata tacagtaa 408

<210> 23922
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 23922

agcttgaata caatgaaact cgcaaactta gcaaagctaa gattcactca atttgctcaa 60
 gtttctttca tccaatggac taacaacatt acaacacttg ttcatttcgt ctcagaatgt 120
 tctcttataa tgcgattttt ttacatgaac gccttcaagc tttatatata cttcagagct 180

tcaatccatt gagagatccc aactggctgt tgtctaataag ctttagtgct tgacacgagg 240
 tcgttactgt acagagagag tgaggaccac aaacactttt tgcagcatat cttcacagaa 300
 gtacaatttg tcaatgtcac ctagtgctca gagctgatta tcatcgtatg aatcgaa 357

<210> 23923
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 23923

cgtccgcata atcttcgatt ggcttcgaat ctttcatcca ctacatctca agttctcgaa 60
 ccagattcaa agcttgcatt cctttgattt tttcactgcc ttcatactct accttcaaaa 120
 aattatagat cttgtgtgcc attatcatcg acattattct gttaaaaatg actagagata 180
 caactgtgaa caaaattgat ttggctttgg actttcgaag ctttctttct ttgcgacttt 240
 tcatttgggc aacaatgaga ttattcggca aaggaggaac ttcgtaatcc tcttctactg 300
 cttcccatat atcattagca tcaagatatg cttccattat gacaaccac attggatagt 360
 ttattccatc caatac 376

<210> 23924
 <211> 82
 <212> DNA
 <213> Glycine max

<400> 23924

agttgtcaag aatccgagca ggtgctgatg ctggcgtagg caccttacac agcgcagaaa 60
 acctaacaga ggcgacactc tc 82

<210> 23925
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 23925

tcactatgag acatgagggg cacttataac cttgatgtt cacacacggg gtggcggatg 60
 gctcataggt taagaacgct tcatgctacc ctgcatgatg atccaataa tccaatgctg 120
 aggacgctat tgaagcacca acatttctgt gactaaagag agaaatgact atcgattcaa 180

gatcaagtgt aggattcaga tggattgact tctgatctaa tctcagtact gcgagcaccg 240
 atttctgaca tgacttgctc attataatga tgaacaggac ttctgctacc ctgagttgct 300
 cttggattga cttgaaaacc ttgtgaccac acagatatta cgctgttggtg atcgctcacc 360
 agattacttg cgtcgattac cagtctcact at 392

<210> 23926
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 23926

agcttgccgc ccaactcgcc caggtgagct caactcgccc aggcgagcaa ggttgcttcc 60
 tccagaagca acagccttct ggaggaatct tctggagggc ccaagtgggc ctggttgcta 120
 ttacacccc cctgtttact aaatgcaccc ccctttctat ttttttgtaa ttctttttcc 180
 atagcgttac gaaactttac gaatttcgta acgataccta ttttccttcc gcaaggttac 240
 gaatccttac ggattatgta ttactcttt tttagctttc aaagaagtta cggaaactca 300
 cggattgcmc aaaaacacct cttttcgatt tccgccacat tacggaattt cacagattac 360
 gcaagcctgc t 371

<210> 23927
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23927

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 tcttaagaag ggggggttga attaagatat tacaaactac ttccccaatt aaaattctat 120
 ttcactttct attcaagtta taaattccct taataatgaa cttcttaaatt attgattaaa 180
 atagaaccaa ttgaatatga atataaaaca atgataaata aagaagttta aggggaagaga 240
 aagtgcacac tcagatttat actgggttgg ccacaccctt gtgcctacgt ccagtcacca 300
 agcaacccgc ttgaaagttc cactatcttg taaattccct ttacaagttc taaacacaca 360
 aggacaatcc ttcttttggtg tttagaatta caacaagaga ccctcggtct cttaatccc 419

<210> 23928
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 23928

agcttgtaga atttccagac atgatacatg tcagggtttg gtttggttca agggtaaaag 60
 ggatgcccc aattatttcc atgacacaaa tgcaaaaatg atgatttgga aactttatgc 120
 aaaactgggc atgcatgcac ctatgtggac actcaagtgt caaattttta tggcatgtg 180
 atgctagggc tcaggattca ttccatctat tttagtcaac ccaatatttc caaaatatgt 240
 tcttttatcc atttgtgcat tcatccgagt ccattttggg cgtccgggaa aattttcaca 300
 gcattcacc ccaagtgtg tacacatttt ttcaaaaact agctatgatc aatgaatttt 360
 tttgaaag 368

<210> 23929
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 23929

tcttatccaa ggctcatctt ggtgggtgaag ctcttcttc catggcttat tctctagtgg 60
 atggcgatgc ctcttacctc ttctcctttg tcttccgctg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcaaag atctagcctc catagaagct ccacaagcaa 180
 gcttccatca agtggtaatc agagcaccag agcttcaagt aggtgctcct taaacctcca 240
 ttaatttttt ttctttacct tcccttccat tgttgtttct tcatttttct ccatgtatct 300
 cctcacatgt cttgttctaa atgttggttaa catgattctt tagagtttcc gccgattaaa 360
 cttgctatag aaactagatt tgattttcta tgggtc 396

<210> 23930
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 23930

agctttggat ttcttcactt tagaactttg agactcgggtg tgtattttcc ttaagcttcc 60
 tactcttttt ataggtctaa ggtagcttat ttttttcacg ctaactgtgc actaagcatg 120

cactcctggg cttagcaaga atagtggttt aatcacgcg c ttaacacggt gttcacgtta 180
 agcacgacct tggactttct cgtgagtctt cttoctgcta agtgagtgtt gatcgctaag 240
 cgagcacgtg tgctgggcct gtcttggtg ttgggcagtt atcaacaagt gtaacacaag 300
 tttatatata ggagtttaag atgacaatta ataaaaaatt aaacatggca tatccacagg 360
 caaaaatt 367

<210> 23931
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 23931

tattgaagaa ggctattatg tgcagttgaa ctgttttttt tgtttatgta tgtatatttg 60
 cattgcttgt accaatttgc ttatatattg gcgaagtacg aagatgggtga gtggaaaaaa 120
 ataataaac taacaaataa attaacgagc attaagctga acgcgtgata ggggattaat 180
 gcaccaaagtg gtcgaagcac gatactttct acagactaaa catttaatgc ttctaacttg 240
 tctttctatt gcaaagtcaa gtgacgacct tatatgaatt tccaagagca caatattggt 300
 aaccatgcg c ggagttatta taggctccaa ctccatttgt tactcatcct taaaaacgtg 360
 agaagaaacc tttttactcc tcagctctca cttcccttcc tcctttttcac ccccatcacc 420

<210> 23932
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 23932

agtttttact cctttgtcat tgtgatgaag aggtgggggt agggtttcaa agtagggaaa 60
 agggaaaatt tcaagtgaaa cgatcacaag ggagctggaa aaagagggtg aattgaaaaa 120
 gaaaaaaaaa tattaacttt tagtttaaaa aaaaattggt gtatgtaatt gtaatttctt 180
 tcccacgata ggagacttac aaaaatctcc cacactagaa ttcattctaca tgccagttgg 240
 tagaacataa agttaaacc aacccatgca tcacgctagt aattaaacca ttatttttagg 300
 ccttcaaaat aaatattttt atttacaat aatattttta aaataaaaaac taatcattac 360
 atgatacata 370

<210> 23933
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 23933

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ctttgggata tgattatact atcaagtata aaccgggcat aggccaatgt cgtcgtgat   60
gccttatctc gcattgctcc ggcggaacc tgtttatcat tatcagtacc tcattatgat  120
ttcttggata aattgcatgc tacactcctg caggatgcac aatatgttga ccttataagt  180
caaattcgtt cagacccgcg ttcttaccct gatcttttgt tgcataagga cctcatcctc  240
aggcagggtc gtatctggct tcctttttcg acaccctttt cctccatgct cttggaggaa  300
tttactccc tccctctcgg cggccacacc ggaatctcga agaccctcca ctgcctgcgt  360
caaagcttcg actggccatt aattcgagcg gatgtccgct gttttgtttc acaatgccca  420
ac                                                                    422
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<210> 23934
 <211> 352
 <212> DNA
 <213> Glycine max

<400> 23934

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agtttataga aatcaaacac gataataaat taccctcata ttataataga agcatgtgca   60
taaataacaa ataagtcata agtcatcaaa acacaaatca tttgtctaag ttagaaagag  120
tatttgggta gtggttttgt gaagatgtct gtaagttgat ttttagtata tacaattttt  180
tttaaataca gttacttttt ttttaagact aagtgtctaat tgactaccaa cacttaccaa  240
gatgagtttt tgtaatatata gaaggttcta tcatatcaaa ataattctgt ttgaaatata  300
atataataat ttgaaaagc ataaataata ttttgaacaa tcaatcaagt aa          352
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<210> 23935
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 23935

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cagcttctaa actttatata aaaatgatgc tctgatacca cttgttggac aagtggcctc   60
```

aaatatctta agaagggggg ttgaattaag atatcacaaa ctatttcccc aattaaaatt 120
 ttatttctact ttctattcaa gttataaatt cccttaaaaa tgaacttctt acatattgat 180
 tcaaatagag caatttgaat atgaatataa aacaataata aataaaggag ttttaagggaa 240
 aagagattgc aaactcagat ttatactggt tcggtcacac ccttgtgcct acgtccagtc 300
 cccaagcaac ccgcttgaga gttccactat cttgtaaaag cctattacaa gatctgaacc 360
 acacaaggac aacccttcct ttgtgttcag atttctttac aacaagagac cctc 414

<210> 23936
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 23936

agctttttaga aagcttcgat gtagagtgtg tattgttttt cttccatgct tcagttgtac 60
 atagcttgtg tcttcttcat agatagggca tgcattgatg cccttaacac tatatccact 120
 caaattcctg tatgctggaa agtcattaat ggtacaaaat agcattgcac tcaacttgaa 180
 tgacttattt cgatacccat caaacataac aacccccctg tcccacaact ttttcaagcc 240
 ttcaatcaag ggactgagat aaacatcgat gccatttctt gggtgtcttg ggctcgatat 300
 catcatagac aacatcatgt attttttgctt ggcgaagcat tccatcgcaa tttctctgat 360
 ttgc 364

<210> 23937
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23937

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 tcgaatatat ggagcaatat tggtttgact acttgcttga ttaagatgaa ttanggggtt 120
 gtatgggatg gccctangcc tataatgcat tttgaaaaca atgggacatg ccacattgac 180
 ccccgctctt tgctattgtt acctaaacgc gcgcccacca agtggttcagt gaaatgcctc 240
 aatggcatta gcgcgtgact tttgtaaaga acaacccatg gtgcattttg gtttggacat 300

agttttctttt tttgggacat gtattcattc ccgaaaaggc tatataattg cccacatata 360
tctcaggcta ggaaccgact tttta 385

<210> 23938
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23938

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cttagtttta aatgatcttt tgatagattc ttgaaatctt ttcataagggt ttgtaagcgt 120
ttgagagaat agataagtta ttgtcgcaac ctacccttca gcgggacggc gacacgtgac 180
tcgctggtgc gtgtcccaag aaaggaatac gcgcggagtc accaccaacg tttatttgag 240
gaaaacgtcg gaaaaactgg aaaagacgtg atctacgaac tcaaagtga aggttcggga 300
attgtattta cgcacggnga aggtattagc accccacgcy tctgtcacia gagacggcag 360
ccttt 365

<210> 23939
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23939

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gagagcttct gaaaatgtgg ggctgagtga ggagagagag ggttgctttt tggttttaat 120
aaaagggtct tctctttntc tattatttta ttttaagcaat gccacatgtc tccatttgag 180
tggagcaaga acggccact atctcttttt gactgtgacc cctactcaga cacaaaagtg 240
aggaaaatct gacctttgaa acgctaaaat cctgcctcgg tttgcctgcc atttctctgg 300
tttcaatttc tcgctgtct ctgcgtccgt tcgggccagc tttccaaagc cccactata 360
tatttcaaaa cgtcacatt aaaacc 387

<210> 23940
<211> 339
<212> DNA

<213> Glycine max

<400> 23940

ttttcaatct tgtggcacct ttcattggacg aagaaattca gaaggcaatt tttaaagctg 60
cagcgaagtt ttttatgaag gaaggcaatt cacataagga ttgcatggat taaatggaaa 120
tcggtatgct taccaaaaga aaaggggtggc ttgggcatca aggatattga aacattcaat 180
ctcgactac ttggaaaatg gaagtggcaa ttaatgcaag aaaatgggtga gctgtggacc 240
agagttctga aatcgaaata tgggtggatgg aggaacattg aagaaacagg aaactcagca 300
aagcaatctg tttcgtggat ggatgtaaaa cacactttt 339

<210> 23941

<211> 413

<212> DNA

<213> Glycine max

<400> 23941

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ggtttgagaa gtgaaattga gaatgaggtg aatttgaaagc agactctcac ctacaccag 120
tccataacat caatctaaac ttgcccaaat tggatttaca cctaaaatc caccgaatca 180
aaatttgact cttcaacacc caattttgcc ctgaaatgg ctctttatc actttgggtca 240
tttgtttttc cctctagcac agcctaacct ttctcacatg ttctaaatga catttcaagc 300
taggattaac tcattttaat ctccatttac cacagaatc agacttagcc tttcaactct 360
caaagcctca ctctttttcc actcacaaca ccacattctc actttctaac cct 413

<210> 23942

<211> 359

<212> DNA

<213> Glycine max

<400> 23942

agcttgccgt tttatctgac ccatgaactg ccctaactcc tttagactgg aggtccctaa 60
gctcttgacc ttgacttgat agaacctttt tttaagcgaa ggcgtttgac ttgatcccat 120
gttttactaa agtgaaacaa aatttagtgc gaatcagaac tccgacatcc atcatgggtg 180
gaatggatga atgcatgaag aaatgcttat gacatacatg caatctatga atacggggagc 240

ccgggaaatt gtctccttct tcgatacaac atcttgggggt agcaaagtgc ccgacgtatg 300
tatttaagaa agtgacacgg accctccggtt ggtttgccaa agagagtgga tcaaaacat 359

<210> 23943
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23943

taaagcattg attngatact gcttcctca tcatgtggct tatgatgtat acaatttaat 60
gaccccttgc taccctgcta tgagacacac acacatagag acaaacacac gcagacacaa 120
acacaaacac aaacacacac acacacacac ataaagatac acacacacac acacacacac 180
agagacacgc acacataaag acataaacac actgaaccac agacacacac agagacccac 240
acacaaagac acacacactg agtcacaaac acacacatac acaatcatac tcacacacat 300
ggacagacac acacacacat aaagagacaa acacacacac acacacacac acagataaag 360
agacaaacac acacacacac acagttacca catataaaga gacagacaaa cacacaaat 419

<210> 23944
<211> 261
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23944

agctattcaa gcttcanaat tcaatttcca gcgtgccaat caataatggg gctccatcat 60
acatccgtgc aaaactgatt ttgtcgatgc atcagttcag agcttcataa ttccatgttg 120
atcgccctga cttatgccag gattcattta gacatgcgat aataatcgat actggcgctc 180
gaatgggtta gcagaccac atttaattta agcggcacgg agagatcggg actcacacta 240
aactccgacg ttaaagtatt t 261

<210> 23945
<211> 409
<212> DNA
<213> Glycine max

<400> 23945

tcagaattca atttcgagcg tctcaataga ttacgggact caatcagaca tccgagcaaa 60
acgttattgt cgtttggatt agctcagagc ttcagaattc aatttcgatac gtctcgatat 120
attacgggtc tcaatcagac atctgaggaa aaaagttatt gtcgtttgaa tttgctgaga 180
gcttcaacat tcaattttga gcgtctcgat gtattacggg acttaatcag acatccgagt 240
taaaagttat tgtcgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300
tattttacgg gactcaatca cacatccgag taaaaagtta ttgtcgtttg aatttgctga 360
gagcttcaac attcaatttc gagcgtctcg atgtattacg ggactcaat 409

<210> 23946
<211> 354
<212> DNA
<213> Glycine max

<400> 23946

agcttgtggt catgggagca gataactagg tggataactt taaagaatct tgtgttatgg 60
gatgttcgga cacaatgctc taataggatg tgacattgga gcatgagttt gcgtttcaat 120
tgcacatcatg tctaagcata ttgttttact ttattttatt ttgctgttta atttgagttc 180
ttttgtaaac ttggacggtc ttgttttgag ccggagatgt ttttaataag ttttatttgg 240
taaaagtga tgaatgtga ccgttttacc catgtgaatt tgtttaagtg atttgaataa 300
aattgattta attaaattct gcatttttat atgagtttct tatttatatg cata 354

<210> 23947
<211> 409
<212> DNA
<213> Glycine max

<400> 23947

ctgtcatgga ggctactgct atttatcctg atcatgtctg tctatgctcg gacttatctg 60
gggggccatt attgccattt cagtgaatta tgctctctag gtgtcgcagt tctttaaaac 120
cacatctctt tttgcttttt atatctatgg ttgttggtgc tctcaaaccg tatcaataat 180
acaaaatccc gttgaattga tttcattctt ttttatacat cttagattga ttttaagaag 240
gttaattgaa aatgggattt ggaaaaatga aagatacggg aaagatatag gcccatatct 300
gaaatttctc ctttagctga tatcccaaaa gtgaaaatgt aagaaagtac ctacaccaaa 360

gagtcacatt gtacactatt taagttaatg ctatgttacc ctttatctt

409

<210> 23948
<211> 323
<212> DNA
<213> Glycine max

<400> 23948

atgaaatagt atcttccctt cttgccacaa tccttggtga ctacgagcat gaagagctcc 60
aatgaatgtg atgtcattat ggatgacccc tagtgcttcc atatcttcag agatgcaatg 120
ctgcctcacc atgaccatgc atggcgaaac cagatatcat ggcattttac attgaaacat 180
cacggtccat ggccgcagca agcaaagcat ctatgtctac acacttggca tacgtgtcca 240
ccaaagaagt ctttaagaata ataattccct taattccttg cttgtctatg taagaatgga 300
tccacttacc catttcaagt gat 323

<210> 23949
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23949

actcagctta caaatcctaa ttccttaa ataggcctaact cactttaata gtcccaagtg 60
gagtcgccaa ctgtcgcaat atgccctttt gcgggcgagc gaaggcggtg ctcacgggtg 120
cgctttccaa aggaggaaag atgcgcggag tcgccaccaa cgtttatttg tgggaaacgt 180
cggataaacc gatggaaacc ggtcgaaata aaaattctaa gttcgggagt tgtattttacg 240
tttgagggaag gtattttgcac ctcttacgtt tgtctcaaag gacaacagcc tatttttcag 300
aattgtggaa atgggtgttat cttaactttt agttcttttt attttttgag gtcgacaaaa 360
gcggtgctct tactcctacg taccctccat cgaagaggan atcagacctc cgtagttctt 420
tcttaagggt gaatcacacg 440

<210> 23950
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23950

actaagctcc taggcctttt gcaagcaaca tggatgttaa tttaccaaaa agctattcta 60
aaacgaaaat ggcatacgac ctcccccaat aacacagaca tcaatgtaaa tttagaacga 120
actcatgcac atatttcttt tcgaacattc actcgcacca gatattcttc taactaagaa 180
aaatgcaccc aggcacaatc aaagcacctt cgttacctag atcactcata tgtacttcca 240
aggtgtatth gctacctaca tcacatgcac tntctttgct aaattttacat acatgcatag 300
ctcaagcatt ttggctacca aaaattgcat acgtgcacat tctgggtatth ccaataccta 360
tacatatata aactttgtga tgaatcttgg ctacctgcac aataaggtgc tacat 415

<210> 23951

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23951

aaaactcacg ctntcgagaa attcaaacgg ccataactgt gcactcggat ttgcgataca 60
tgcacattaa atatcgagac gctcgaaatt aaacaacgga agccctcgag aaattcaaatt 120
ggtcataact tttcactcgg aggtccgatt caagcatata atatatcgag acgctcgaaa 180
ttgaacaacg gaagccctcg agaaattcaa atggtcataa ctattcactc ggagggccga 240
ttcatgcgta taacatatcg agacgctcga aattgaacat cggaagccct cgacaaattc 300
aaacggtcatt aactattcac tcagaggccc aagtcaagcg aataaaaatat ggggacgctc 360
gaaattgaac aacagaagct gtcgaaaata caaatggcat cactattccc tcggaggccc 420
gatcgagcgt ata 433

<210> 23952

<211> 293

<212> DNA

<213> Glycine max

<400> 23952

atgggcgacc cgaaccaaac atcaacttga caacatgctt cataacacaa agctgtatg 60
gccctcgact tgttacaccc tgacaccata atgttatcat cacgagacct tttatgccaa 120
catggaagaa gacatgttgg ggtgacctca acaaattcat tatcagtata ggcaaacata 180

tcaggagggtt gccccctttc taccatgggt gtgtcgacag cagacgatgg cacaacccta 240
 tcatcatggtt caacctgctt gaccaagggc ctccaagaga atccgccatt ata 293

<210> 23953
 <211> 556
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23953

acacactcac gttctctacg acaatctccg gtcctgttgt aaannntctc tcnctcttc 60
 cccccagca ggggcgcttg aacctgttg agaccataga acntcagaac actcgatgaa 120
 ctcagcctat gtggattcta tacacagaaa gcttctcagc ccttagattg tgctgaacaa 180
 aattacaaga ggtaactctc tcggacgctt cttgacatac taacattagt tttagcctt 240
 ttctagacga tcctctcaca ttatcaatgg ctctctattg ccatacacgg acagtatcta 300
 acagcaatgc ttogatattc ttttcaatac acttttatac taatccaaat aatcctttac 360
 aagccttgaa tcgatgtaat cttcttcggt ttatttgac caaaagcatt ctaaaggctt 420
 ctgggttttct aacnctcgaa acatgtgcta aacatcttct ccttactatc tccttggcca 480
 taaaaatttg gcaagactaa cgtctaaaac tgcgtttcc caatctcct tttcacaaaa 540
 aaatgactac cgcccc 556

<210> 23954
 <211> 563
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23954

acacattttc cacacagact cgtacatact gtgccgtgcg ctctcgata nttaatatta 60
 nccccaggag caggcctgga gcgtgttgat accgtagcac ctcagcgana ctatagnaaa 120
 ttcccggccn ntggctctct gttggatcca cttgtattaa cttcctttcc gtttcacaa 180
 ccacaacact tcgaggctt cgtctctttt cgaagaagct gcacgtgtca gtgttgctgt 240
 cgtctttcac gtcacctcct ttggatgaag cctcaactat cgctaccgaa agttccttca 300
 gtttttggcg actctttatc cccatatata cttctctatc gaacaaaaat aatatcaacc 360

gctctgtcac caataagttt cgataactca tggctaaatc catcacgttt catagatagg 420
 taaacctagg ggaagacacc ctaaagaccg gtcaaatact caatcttcta actcctcttc 480
 taatgaaaag cttctctctc tccctaatat atctatcgca atatgctaca acgagacata 540
 ggtgtgatta tctttgacca acn 563

<210> 23955
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23955

ccagttatgg agagctaaat cctctgttgg ttcttctttg taagtacttg atgtaaatat 60
 ctgtatatct atttaatgat gttttgtgtg ttcactatgc tatcagaact tcattctacc 120
 atgcttttga cttgatcatg tagatgcatg tgtttttaga atcattcaac agtggaaaat 180
 ggtctgattc ttagaacttg ataggacggg gctagtattat catattatca caagggatcg 240
 aggtatgata acctagtggg tgtatgtntg gcttaatgcg gttctaagtc gatttagttc 300
 aacaagagga atctaacgac gatgcttgat cgggattatg ctagactatc atgatgaatt 360
 cggggttagca ttgcaagaga caccatagaa cacatg 396

<210> 23956
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 23956

actaccaac acaattcaga tgggaatttg tttgttatta aaatataagt aatttacatg 60
 taagataata tatatagcca tggcactaga aatcaaactt taaaagtata agaaccacaaa 120
 ctataataga aaagaattag ggtaggtaga aaaaatatat tagaatcaaa tatatgtgtg 180
 tgtagtttca ttacaccaat ttaaatacaa tatcttctca aatgattaaa tatttttgct 240
 aagtattttc acatcaaagt ttcattaatt cagaccaacc tcatggagct acaggtacca 300
 tcttgcccga gcagtatcaa acccaataga ataatcatgt tctgcaaag caacacattt 360
 agactttatc ataatatctt aagtttiaca ctaataaata agaaagatct agacatgtga 420

cacaata

427

<210> 23957
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23957

tgtcagagtt gcgaaccaga ttgctaagtg cacctgctgc atttgcctta ttcttgtctt 60
cctctgccat ttgtaacaaa ttgccaatt gaggaataga tttcctcagc tcttcataca 120
acaagtcatt gtggtaggcc gcgtttccaa tctgagttca agtatggtag agcagattaa 180
aagagaggtg aacaaagaag aaaatgtggc atatataggg tatgaaaaag cataagcatg 240
acatcagttc taaaaacgag aaggataaat ttgtgctaga cacatctctg taaatttgac 300
aattaaaaag taaagtattt gccaaagtga acattaaata caaataattt attgcaaaaa 360
ttcatcagat gcagtaacaa taataactag tagactggca ttttatnta tnntttattt 420
atgttcacat ccatactnt gnganatcat ataccaca 458

<210> 23958
<211> 456
<212> DNA
<213> Glycine max

<400> 23958

tctaagaata gccttgataa ctctaacatt atccatataa gcttccccta ttaagattgt 60
atcatccgca aactgaagca tgtttactgg gaccttattc tttcctacca aaaagctgtg 120
aaagaagttt gtagagactg cttccctcat caaacctgat aacccttcag cagccaaaac 180
aaataaaaaa ggggccaaag gatccccttg cctcagacct ctttgaggct taaactcctc 240
agttggacta ccattttacaa ggatggatat tgaagctgaa gaaaggcagc ctttaaccca 300
accaatccac ctttcatgga acccattct cctcaacata tagaaaataa attgccagga 360
cacagagtca taagctttct caaagtccac ttaagcact aaacacgatt tcttttgcct 420
cctagcctcc tcaacaacct cactagcaat cagaac 456

<210> 23959
<211> 404

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23959

ntgagccaaa atcctgactc accatatatc ttgacctatt gtgagaatgc caatccttac 60
cctcggaagc aaaaaagaat ggaaaggaaa ttttcaatca aagaaaaaga gaatgaaaat 120
ttccaatgaa agcaaaaaag aaatgaagga aaattcccca atcaaagagt gggagaaagc 180
aaaataaagg aaaagaagga aaattcccca atcaaagagt gggagaaagc aaaaagaaaa 240
gaaaggaaaa ttcccaatca aagaatggga gaaagtaaaa aaggaagaag aagaatgaaa 300
gaaagctcct gatcaaggat cgaaagaaac cagaagaaat gtgcagagag gtctttggac 360
cagacaatat ctgaacagta cagaattgtc accaaatgaa caaa 404

<210> 23960
<211> 424
<212> DNA
<213> Glycine max

<400> 23960

gtgttaacga gatatttgtg gataagttct tgattaagcc taacaacaat gacatcaatt 60
gcctgctaca aattggagag gcgcggtggt ttccaagttt gttgggttct attgattgca 120
tgcattggga atggaaaaat tgtccagttg catgactaga ctaatatcgt aaaagtgatc 180
attgcaaacc cacattaata cttgaagtcg tcgctgatcg aggccgtacc cgaatcaaat 240
aaacattata aatgtagtat ctatgaagtg atcctatgtc gtctcccaac gagcaatgat 300
ctactcaacy ttcataacaa atagtaatag aacagtacct aattgggggg ggtgtatgct 360
ttcggatatt aatagccatc caatttgagt tagaaaataa ccatttacia catgttggtc 420
ccct 424

<210> 23961
<211> 412
<212> DNA
<213> Glycine max

<400> 23961

actccgctta taataatagt gggttataaa atttagagtt ccctattgca acagagatac 60

tgctttgccca tattgagcaa acatcaaaga gcctttaaga cattggaatt gcttaacttt 120
 tcctccactg caagtcaacc ccaccctgta tgtaccatat aactcatctc aaccgaaagg 180
 aaaaaaatag tatagagtgc ggatggatag agagaaatgg tgtttttgac agttctaaga 240
 cacagtttca tggatactac tactactacc ttggctatta atgttgcagc ctgtctactc 300
 tagagggaga gattccctca tataatggcg gtgggtctttt ctgggttctc tatgacaacc 360
 agtatcgcca tcatcatgcc caacctcggt cttgccctat tgccactctt ga 412

<210> 23962
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 23962
 tgcatgtatt acattattcc cttttctcaa gcaacatttt tcttgatata atcaaaatct 60
 tcatgatgta cattctcccc ctttctcaag caaattcttg ttgacatcat caagatcttc 120
 atgatttaca cactttaatc gattacttag ataacctaata cgattacttc attgaaataa 180
 tcgataatct tatagatgta attgattata ggcagttata actatcttct ctataaataa 240
 ttagttggcg ttcacatcta aacaatctag aaatcaagag agcattagag aatactcatt 300
 acatctcgaa aattacttct tagcctcaga atgagcaaga ttttgtgctt tcattagtga 360
 acaagagaat agaagacaat agctctatag taactcacia tttcttaatc tttcgattcg 420
 gaagatcttt tcttgaaa 438

<210> 23963
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 23963
 tgcatcttga gcatgtcact ctaactgcat gtgaatgtga ctgtgccgag cctttctcaa 60
 cttgtcacgt gttgaatact ttggctcttg accgttgtaa cttgcatcat ggtgcaaaat 120
 tcctctgcat atgtaattcc aacctttcta gtttgaccat aggtagtacc actcaagaaa 180
 ctctttacaa atttgtgctt tctactccga atcttagatc tctttctgtg atgcgcgatc 240
 ctattcacca actctctgca tgtgatcttt cttttcttga acaagtaaatt attgacgttg 300

aagcctatTTT taatgctcat tttcaaagga cacatttagc ccttataagt ttgctgcaag 360
 tgctcgCaga ttatgtaaag actatgatac tctcttcaag tacccttaag attctaaatg 420
 taagttactt aa 432

<210> 23964
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23964

ntgaagaacg attatgctgt tcttgcataa catgccatag aagtgcaaaa tataatggat 60
 agtactaagt agtagctctt gtactcaaag ttctgttgcc attacattag aaagagttca 120
 tgaaaaatta acaaccatat ataattaagg agcaactttt cagcaactca aagagagaaa 180
 taacaaagaa aagaagaaac cagcacaagg ctctgctcca ttcataggct tacttttctt 240
 aaaattctcc tcaattctac attgtaatag atgacttttt ctgttttcag ctatatttca 300
 atataaatac tattttcttc atatccaaat tctggtgcct atcagattta tctattcttc 360
 tgtccagcta tagatttgaa caaacagtgg catttttttt gtacataana tagaatcttg 420
 aggctcttac agaagtat 438

<210> 23965
 <211> 393
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23965

ctttttcaaa gccaacgatg gtgtttattg acatcactac aattatgcca tagtaataaa 60
 gacttgatt ctcacttcac aaaattgtca caaatgtgac atatatcaag cacattccta 120
 gcaaaatcca aaaaatagtg ctgttttaca gatatagcac tctagcctaa gaaaggaatt 180
 gaaactcgaa tatcangttt tgagtatctt tgtgacataa ggatagtcac actatagaaa 240
 gccaaaatgt atttatgttg ttattcattt tccacaatga aatacatcta ttaatctaga 300
 tgcagttatt aattttgcat agaatgtaag aaatcagggt caattttact caaaccatca 360
 cgatggtcta cagaagtgca ctttacctga aaa 393

<210> 23966
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23966

actcaagctt attatctaca ttntcaagga ttaaaacctt tacatgaagc attagttttc 60
 tattttaaga aaatgtctta taattaatta gcatttcctt taatttttat aagacaaatt 120
 atttgacaat taatccttgt ttttcaagac atgaaattaa gaatagtata aaagcttata 180
 gctacatgta ttttattggc tcgtattggt ttaattttga ttttcaaaga taggagaatc 240
 atactatgtg ttcttccatt atatatatat atatatatat atatatatat atatatatat 300
 atatatcttg atgttacctc tgattgatgt gaagtttacg tcttgtctaa tgccttatgt 360
 ttgtgtatga atcagcttca cacctgcata tgaactacgt attttntttc tgtgtgtgtg 420
 tgtgttgtgt aagcagtttc ctcaacatgt atatatcat 459

<210> 23967
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23967

ntaagtttgg atatggggtt aaacattcga tcttgaagat tattttattg ttgctgcttg 60
 ctgattcagc acgccaaatg tactcaagtt aatttaattc tgtgttttgg gctattgccc 120
 ctttattcca gaaaagagtt aaatcaacaa caagaaatga aagtacacta acactataca 180
 aaggaccttt ttactcaaat tgtattacac tgcactctga aggaatattg aaaaaattgt 240
 aaagatagtc atatcgtgta ctagcacaac ttcaaaaaaac ctgatggagt atacaatttg 300
 taatattttt caacatgaat ttaatgatta tgaagaaatt tgggtgatat ggtcttttaa 360
 gtaaaaactc tcaatttagt tctagtttat atcttgggtc tgtaatacag gatgatgggg 420
 aaagtgaagg ggatgtgaat catcacattc 450

<210> 23968
 <211> 440
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23968

tgaggganaa cttgatgcct tggccaacct agtaactcat ctggcaatga ataaaaaatc 60
tgcacctgtt gcaagagtcg gaggtctatg ttcttctgaa gatcaccata cagatctttg 120
tccttctttg cagcaatttg gaatcaatga gcaacctgaa gcttatgctg caaacattta 180
taatagcccc ctcagcagca aaaccaacaa cagcaaaata attatgatct ttcaagcaat 240
aaatacaatc caggtttaag aaatcatcca aaattgagat ggacaagtcc tccacaacaa 300
caacagcttg tccctccttt ctagaatgct gctgggtccaa gcaagccata tgttcctcct 360
ccaatacagc aacaacaaca gtcacaacta agacaacaag caacggagggc tcctcctcaa 420
ccttccttag aagagttagt 440

<210> 23969

<211> 455

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23969

tctcaagggtt cacgcttagc ggcaccatac acttcagata atacactaag tatgggattt 60
gccgtaacga aatgcgctta gctcaggtaa gcttggttta gcgtgagggt tccaacaaaa 120
aatttgacta agttacctgg gcttagagat tcagcttcgc ttagccatat gcattcttagc 180
gtggtaggcg cgcttagcga gttcttccaa gaacgcgtat attcaatgaa tactaatgaa 240
ctctcttagc gtagcatgct cgcttagcaa gttcatcgcg ttttccagaa aaaacgcaga 300
aaacacagtt cattttcttg cacttttttg agcctctaaa aggcaaatac aacatgcaaa 360
ccaacaaaaa tgacttctac agtacaacaa tatataaagt cctaattctt aactacttct 420
aanaacattc aaaccttaag aantctaaag taaat 455

<210> 23970

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23970

tcacataata naataagcaa aacataatcg actattgtct gtggactgca acattcaagt 60
ggactcgtca tgttcatccc atatgggctc cttcctgaag atgatctccc acacatgttc 120
gttaggccgg taatagaaga caacctcatc tccacccatc aagtcattgt ccgttaagaa 180
tctgtgccaa gggtcatecca catattgttc accattatgc atggagatgg tccatattgtg 240
acgaacgcca ctcgatatgtt gcacagtcac acatgggtctt gaagcatcaa caaaatcgat 300
agcctcagta ggcaacaact acaggacaac aaaggaagtc acatttcata ctattgttga 360
caacaaacta cgacaacttc atcatatgca taaagtctgg ccaatgctgt aagggttgag 420
atgataccat cggctacat 439

<210> 23971
<211> 438
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23971

tgcattctct tgaacattct agatctacat tntagatcta aatatattag agtgacttga 60
aaaaacgagt tacaaaaaaa gctatctttc ccattcttgt aaccgggac tgggtttgat 120
ttctttgtaa cattattccc catcttttaa gtgtcttgta actttccaat ctagctagat 180
ctattgattt cgtttatggg ggtttgcatt atgaagataa ttagactgga actcaagata 240
gaggaagggg acaccgtcac aacattctca acgaagatat tcatcagagt gaaatctgga 300
ttgaagggag gaaagaagag gtttacgac gggatgcatt ggaactccga caccgaccgg 360
tggtgcatga tgatgatgat gtgtctggac acaaccaaag aaagacagct tgtggcggtg 420
ctgccagggc attatgac 438

<210> 23972
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23972

tgttagaact atcatcacat gacgctttat tggcacataa taagttgctt tctaggcaac 60
ttgagatttt aaaagaaaca cttggtaagt ttccaactaa actatctatt ggtcaaccta 120

cacattcttc tattttgcag gttacagggt gtaccatatg tggtagaggct catganacag 180
 gccaatgtat tcccattgaa gaaaacactc aagaaattca ctatatggga aatcaacaaa 240
 ggcaaggata tactcgggga ggattctcag gcttccagta tggtccttat aattaacaag 300
 gacagtggag atcacacctt ggcaatcaat tcaacaaaga ctaggggtgga ccttctaaca 360
 agccaatccg tcaagggcct aacatctttc agaggactac taagctggag gagacattga 420
 ctc 423

<210> 23973
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 23973

tatatgcatt cggtgacaat ttaaggctctg catatttttaa atgagtaatt tagctcacia 60
 atatgcaagt attataataa attagtgcaa ttacaaatta gtgcataaca tacataactt 120
 ataacaaata atcggattaa tttatcataa ttttatata tttgtgagct acattgttca 180
 ttttaaaaat ggtaaaacta aattaccagc aaatgcatac ttaagaacta aataagctag 240
 ttatttatat ttttattcat aaaagacggt cctatattaa acaatactat atgaatatag 300
 cttaaaaaat gaacattggt aaaagtctat gatacaaatt taataaaagt tatttattat 360
 tggaaagagc taatatatt 378

<210> 23974
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 23974

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 gtgtgcatat cacgtgtgac tacatgttgt actttataat gcgcaggatg tacgattcca 120
 taatgctcaa tgtgtacgta tgatgtgttg gggatcattc aaattacaac ttttaatttgc 180
 acctgtgaca tccttgttgt tcaactagcta gacaataatt tttggtgtca acgcatcatt 240
 gaacgagtct tgaacatctc acacacacaa aaatacaaag aaccctctga ggaaaggaat 300
 attaggaata atgtatatga gagacagata cagctgaaat tgagagggac tatataaaat 360

aaagtgttaa taagtaaagt tcagtaattg cttggaaaca taaactacag tagcaagtga 420
aaattgtagt ctgactta 438

<210> 23975
<211> 407
<212> DNA
<213> Glycine max
<400> 23975

actcagcttt ctccagtcca aatgacttca agctttatatt ttcacttaac ctccattacc 60
acagaattca aacttaacct tgcaaccctc aaagcctcac tctttgtcca ctcgtaacac 120
cacattctca ctttccaacc ctaggttaac tctacacttc atctctaaca gttttccatg 180
ggcaatttca gcatacaaac atcacaaaca tcatcacaaa accctaaaat agaatgggta 240
tgtctaactc aaccaaaccat ggtaatttca acaagctttc aacaagtttc ttcacaaata 300
actatcatga agcagaaaac tagcaagact acccatcata tctcccaaaa cctcataccc 360
acgaaattta taagagaaag aagtccaccc aaacctgaaa tttcgaa 407

<210> 23976
<211> 457
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 23976

cttataagaa caaaattgcc ttaatcattt ccanatatgc atgtgaatta agacgcatca 60
acaagaatca agccaaggct attgtgcaag caatcaatgg ggcaaaacac accaatgat 120
tataatgatg gatgggtcaa attctcacia aggtaaaatc atcactttca aattgagctt 180
tcaaaactat catgacatgt agagaagaat caaggatttc aagtcacaaa atgtcaagaa 240
cttttatattt caaaacaatt acccatttct tgaacatatc ctataattca aagaaaaaca 300
tgcaaagtcg tacgtgcaca caaaattgac ccaaaatatt aaactgaaaa tccgacgaaa 360
ctaacaacat taacaaatta acacaactaa caaattaaca naaccaacat aactagcaaa 420
accaaagaac actccctccc cccctctccc atactta 457

<210> 23977

<211> 406
 <212> DNA
 <213> Glycine max

<400> 23977

tgagatgagg aagtgtataa gggtgaaact tcctgctttt attcgttgac cacagagtgg 60
 tacctggaga tatgtcgcgg gggtcaggag accttgggga cgtcatgtgg ggtgctattg 120
 cccaaaacca agcttgacca atcccgaccc aaccggggca tagtcgggtca gtgagaacct 180
 gtgatgtacc taagcaggcg agctcctggc agtcaacaaa taaaaggaac aaagaccaca 240
 cagcaatgag gcttgtgtgg tggttggcca gctgtgaaac ttgattgata tatgggatgt 300
 ggcctctggg aatcgattac caaggggtga taatcgatta caaggcttaa aaatgaagac 360
 aggaggctaa gatgggtctct ggtaatcgat taccacgctt gaaaac 406

<210> 23978
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23978

tcttatccaa gacactctct tgggtggtgaa acttctcctt acatggctta ttctctagtg 60
 gatgatgcct cctctcactt cttctccttt atcttctgct acaacttcat gggtgaaaat 120
 caccattgaa ggaacttatt gaagctcaaa gatccagctt ccatagaagc ttctcaagca 180
 ggcttccatc agttatcaac ggttttttga catgaggcac aaagatacaa gtgttgacat 240
 catagatatg tgtttaaaat aagttgtata cttgtaaaaa ttatgtaagt caatcgtgta 300
 gaagcaaagc ttcatgggtga atcanaggtg attcanaggt gttttgatga taacaatgat 360
 gataacaaaa gatgatgaca aaggagatga caaaagctca aagatcaatc aaagaacaac 420
 tcaagggaat catagatcaa tcaaagaaca actc 454

<210> 23979
 <211> 288
 <212> DNA
 <213> Glycine max

<400> 23979

ttttctgatt attttattac aatatagttt ttgattataa tattattatt ttgcctcttt 60

ttggtatcag acatggttat ggcattgatag atcgggtcgga ttttattcta tcagaaatca 120
aaagatgtta caactcaaatt gatcgcgggc aatacatttt attgttatgc gagaccatga 180
cttagatatc tgactacagc acgtcaaaag ggggtacaga acgcaaaccg tataaaaaata 240
tcagcacgcg aaacaagtgg ggaccactat ggggtacatag aatgaatt 288

<210> 23980
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23980

gggactataa gaagggagag atcagttgga agactttgtt ctctggacaa gtcttagaga 60
ttcaagccta taataaaatc tatctgttga attttcatga actttgtctt aatttacttt 120
agacacaatt tgaagcaaca ttcattgtga agaccttgag agataaggtc agtttaaggc 180
ttatctatga caaacaagggt gtctgtcttg ttttgcgagc tgtgtctggt agtgcattgtt 240
tttatttaatt tttttgcttc tgtgggttttc aaattcaaaa tacgggttaca ttntattaaa 300
ctagagagat tttnttttca accatgtata ttataaaaat ctattcttcat tttctaaagg 360
cctaagcaaa atagagtgggt tgcagtanag acattngtga agtatgggaa aagtgttgta 420
aagaaaattt tatt 434

<210> 23981
<211> 449
<212> DNA
<213> Glycine max

<400> 23981

ctaagctttc taagtgaatt cagatgcaac catctcccta agagtctctt cagaggtgg 60
aggttgagcc atgttctcag tatgaaaatt agtgggtggaa tgctcaaaat cagaatattc 120
agaatcacc ctaacagaat gctcaaaatg ctccaaatgc atagaatgac caggatgcac 180
atgatgccta actaatatat gaaaggctct atctatttca ggatcaaagg ggtgtaaatc 240
acctggattg cccctagtca tgcactatat gcaacaaata atgtgtttct caataaacac 300
ctaacaaggg ggtaaaacta cagctatact caaacgatat taaaatgagc tgagattttg 360

tgaggaacac cctaaaatca tgaaaagata gcacaaaaaa tctcaaaaac aaaattcaaa 420
gtctaactat gaaaactacc taagcaaag 449

<210> 23982
<211> 274
<212> DNA
<213> Glycine max

<400> 23982

gggaagcttg aagttaactt cccacacccc ttttattact tagctcacct tcttggaag 60
ctttctttag aagaattctt aagaagcttg agcttaactt ccccttcctc tttaatagct 120
aagctcacct tcttggaag agaagcttga acttagcttc ccacccccta ttatagctta 180
actcacccc ctggccaaaa atatggaaat accaaaaaaa aaggtctttc taccaagaat 240
acttcaaagtg gcccaaaata ccaggcttaa accc 274

<210> 23983
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 23983

ntanaggatg ttntatcagt acaaaaatat atgtgttttc actggtaatt gattacaaaa 60
tattgtaatc aattactaga gatacattac cagagacaaa ttacataaag gctttttcaa 120
aaagaagttt ctcttttgaa atttgaattt taaatgctgt aatcgattac cacttgatg 180
taatcgatta cctgtgatga aatttcagaa gttacattg aaaagtcgtg acctttcaaa 240
acataactat gtaattgatt accaagaagc tgtaatcaat taccagtgag agaatttttg 300
aaaaatattc tgaaaagtca cgtgtcttca aaagtttttg aaaagccacc aaggacctat 360
aaatacgtga cttgtctacg aaaaacatta gagtntttca ttagaaccta agtgacatat 420
tctctc 426

<210> 23984
<211> 529
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 23984

tgagttgang tgacncntt ttgaaacctg agacnntcga gacnccanng anaactaagc 60
ttttagactt attcgaggct taagtatatc gtagtgagtc tttatctctg tgtacatata 120
gggtcaaagca ttgctctgca attcatgtaa tcctaccagg taccacaact cgctgacaat 180
agtctgtcca tttactggcc aaatagatga caatgtgtat tgaacagata ttactacgga 240
cacctttgag ctcagcaact ttctttcttt cattgagact attcattagt catttggata 300
tctcaagcgt gggaagatac tttatttgca tttgtgtgtc atccagcggc aattcttcaa 360
gtgactctgg cgccaagaga gcgaacaaca gaccaccac tgcatgcgcc cactgtgcag 420
cactctataa gggacagacc ttgatcact tcatacaata atccacttgc aaaaagatct 480
cctgcccctg tgcatcagtc gcccttgctc tcctaatgcc ggacccact 529

<210> 23985

<211> 436

<212> DNA

<213> Glycine max

<400> 23985

tgaaggggtca ttgacccaga taaaacctga gtcatcatct caggaatccc caaatcaac 60
aacaaaacag actgtggctg actatgectg gtcaatacaa actctcctgg ccttagaaga 120
cataggcctc accagagtac caaaattggc caaaaagacc tgggcaaaaa tggcttcaga 180
atcagacaat gattctgaaa cagacctaca aaaacaaatc caaaaagcca aacagaccaa 240
aactgtctgt aacaaaaaac caagccaatc gttgactcaa caagaatcaa caccacaacc 300
cagcaatagc tatatttcaa aaaacaaatt cttcaatgtt ttacaaatgg aaccagaata 360
ctgagacaag aatcctttca aggcaaccgc caaagtattc ccccaggat tccattatag 420
gccaacagcc acaaat 436

<210> 23986

<211> 331

<212> DNA

<213> Glycine max

<400> 23986

gtgagcatag caagaagagt atatagtgag ttctaacatt gacatagcat tagcgaggga 60

ttcaaccatt ctagctatac aacctctagc tgattatcct tccccatag aaataacctca 120
 tgctagattc agctgatcca cctcacaac ataataaccc ttctaattggc tcacctgaat 180
 acattgagtt atactcaacg ctattccaat atttcgatct gactcgatct ggaggacgtg 240
 gtgatgggag gacagattct agctctgtta gctcttgaat tgcctctaag aactggagtt 300
 atatgactct gaccaatac tactagagat g 331

<210> 23987
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 23987

taccagttac taatagtcaa ggtaattgt tttctttttt ctctagggtt tagtctttgc 60
 aaacattgat gacttcaaga atcttcttga tactcttcaa gatgttgcaa aaacattcaa 120
 gtcaaagggtg attagttact ttagcctaca tttggagctt tcaaaccatt ttcttgcatt 180
 ttttagaact tatgggtctaa ttcttttgtt taaatgcaga taatgtttat atatgtggat 240
 attaatgacg agaacccttg aaagcccttc ttaacattgt ttgggtcttga ggaatcaaaa 300
 aatactgtgg ttagtttatg agttaataac agtgatttgt tcagattgct taattagttt 360
 agatattttt ggcaactgat ttgatttact tcttggtgtg ccaaatacgt aggcgcgttt 420
 gataattaat gagctc 436

<210> 23988
 <211> 245
 <212> DNA
 <213> Glycine max

<400> 23988

taatattcga gcgtcacgaa tattacaggt ttactcagac ttccgagtgg aaagttattg 60
 ctgttcgaat ctgctacgag cttctgttct aaatttcgag cgtctcgata tatcacggga 120
 ctcaatcgga cttgcgagtg aaatgttatt gacgtatcga atttgctacg agcttcggct 180
 ttgaattact agcgtctcag tatattacgg gactcaatcg gacttccgag tgagatgtta 240
 ttgtc 245

<210> 23989

<211> 433
 <212> DNA
 <213> Glycine max

<400> 23989

ctccgcttaa ggactcgttt gtgttttctg agataggatt tcttatgttc ttctttaagg 60
 gttcaacaag cttttgtgat ttccacttga aggattctag ctggaaagga agtttttgaa 120
 tttctttgta tgtgcatttt tgtctataat actttgagat tcataatgaa aataactaac 180
 taaggtagtt gtgtataatt ggatgtaggt aaaaaatgat tgaactaata taaattgttg 240
 agtcattcat ctccctttcc ctaatctctc ttatgagttt tgtgatttgc gtattctaca 300
 taactgaatc tttgttcaat tgattctaca tatttatatg atgattaaag ttttccaggg 360
 catttccatc acattttaga ctttgatttt aagatttcat tggttcaaca atccaacaag 420
 agatggtggt taa 433

<210> 23990
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 23990

cctatagaat actccgcttg aggaatctta gggaactact aaatatgccg ctatttttgc 60
 catactacac acgtgaaccc gcttagaggt aaggaataag tctaccacaa tcgcggttag 120
 agtaaacatg tgtatggatc cttagaggat caaattgggg tttaaatttg agattattta 180
 tgtgcttcaa tttttcatgt acaatgataa ctacgaattg ttcatgttag atgagtcaat 240
 tgatgccttg atgtgaatta gatgtgttaa tttacggtct agccttgaat gttaaacct 300
 taaatctgag aattcttgat atctacatgt cttctcgaaa ttgattgaga ggttctgttc 360
 cccctgatgt gaccacatat tctatgcta 389

<210> 23991
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23991

tgtggagcca atgcaagcag aacgcatgga cgaagttgcc cggtccccct tccctacaca 60

acctcagcct ccaccatact tttgatcaat tgcaacaaat aataaatata tacaagaaaa 120
 ttagtaagta ttgaaatddd taaattdaaa aaaatatcat ttdtaagtdt tatccaaaca 180
 tgatcatata tcacttagtg gttaaagaag aagaaaagaa gaaaaagata ggagatttaa 240
 tttctcccggt taacaaataa taatgaaatt atttattcaa ggagcaactg gccatggatt 300
 ttgccaaatg aagtdtdtgaa attaattaga ggaatgggaa ggtgcaggaa tgagaatggc 360
 cccgccccac ctdtdgggtca tatttdtcca accaattgaa tgaatagtga tattnttdggt 420
 ttgagtaata atatataaat tat 443

<210> 23992
 <211> 514
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23992

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 tcatgctgaa tgcactgcaa ttdatgcatg ttdcatatgc ttdctatctc ctaaggngga 120
 gatagctccc tctaacggtt tcctattcct gaaatacctc gtgcatgcat acaccagtcc 180
 atgaccttga aaggttdtagg atcccattca acacttdtdgg atcttacatg gatacggcga 240
 tgatctgtaa aatacctgct attacaaact gcgtcagagtc aggcactga aatgaaactt 300
 tgctactctg caatgacaca cacagctgat cccaccact ctcacatata tgactacgca 360
 cactgacata atcatcaaca ctaacacaca cgtcctcccc cataatgatt cactcacagc 420
 cacacacaca ctaaggcatg cattcctctg gctctggaga gtcacaatat tcattgcttg 480
 gctcaatgat tgcatacttc tactcgcttg aacg 514

<210> 23993
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 23993

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 ccactctcgc tatatagcta ccacgattt attatctgca attdctgcga ttdcaatgac 120

aggcaacgcg tgtgatntgg ttcttgctta tctcaatgta ccgacgctca tagaatgcag 180
 cttattgcta aattatttgt tcgaatgagc atcacttagt gtgccattgc cagaccgttc 240
 ggctaacata cctctgtatt gataactcgt cctgacctat gttcacttct cagttgttgc 300
 tactattacg tcatactcta tatctttgcg tcattaagca aatatcatgg cgcacatatg 360
 gtatgatcgc gccgaatcct atgtttatag tggctattga ttacggttca ctgtgttcgt 420
 gaactggtea gaatcacaat agtgtataac atccgccaac attctaactt tgtacatcgc 480
 ggaggcattg gaaattgaat tcgtaccata tgcgtgctga tcgtgacgct cctgttatca 540
 agacctcagg 550

<210> 23994
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 23994

tgaaggcaca ctggatgcat tggttaactn ggtaaccag ctggccttga atcacaaatc 60
 tgtacctgtc gcaagggttt gtggattgtg ctcttttgcg gaccaccata cagacctttg 120
 cctttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180
 caatagacct cctcaacctc agcagcaaaa tcaaccacag cagagcaatt atgacctctc 240
 cagcatcaga tacaacctg gatggaggaa tcaccctaac cttagatgcg ccagccctca 300
 gcatacaaaa cagcagcctg ctcttctctt tcaaagcgtt gtgccccacg ataactatac 360
 at 362

<210> 23995
 <211> 449
 <212> DNA
 <213> Glycine max
 <400> 23995

tcgtacgcat atccctcatt taagactaca cccgatttag atagcactct taggtttaga 60
 ctaacataaa ctgagtttcg ttgcgagatc cctcatgtaa gactactaga ctcagctcaa 120
 gtagcttact aaagtttata ctaatttagc ccaagcttcg ttgcgataac cctcatgtaa 180

gattaggcct aaactaaaca acattattgt aacagcataa ttaaaaccaa aacttcaccc 240
gcagatcctc atgtaaggct aagttgcaat cctacttcaa tcaagttcta aggcaacagt 300
acatttccca atgctaattg cacctaattg tgcacacaaa tgggtgatca gaccaaagc 360
atacaaacat taagcattga aggaagcatt gaacacagaa aacataatca attagatatt 420
aggtatttac atcagctggg cattagaaa 449

<210> 23996
<211> 448
<212> DNA
<213> Glycine max

<400> 23996

tgtccattat actcacattt ctggttcctc aaattcttta taaacgcctt agtgacctct 60
ggctcacat atttaggtgg gtgcaagcca cctttgacc agtcaaccca agtcaaactc 120
ctattagaat tcttctccgg aaacattatg ttaacaaatg ttggcaagta gtgttcatca 180
acatagcatg gtctcgtgca gcgctcttga aaaattggga agtaggtttt gtctgacacc 240
acttctaagg caagttctct gtccatttcg aaccattgag acccttttct ccattgottg 300
agggtgacca tatgggacat gcgaggggtg taacgtccac gtgcaactag actatcttca 360
tcataagcca tcacatagct gtgggtggag tccatcacat atgagtagat tggtgagaag 420
ttgatagagg gatgcatgat ctgatatc 448

<210> 23997
<211> 394
<212> DNA
<213> Glycine max

<400> 23997

tgccactgca gcaatcaagt gaacgactga agtgtccttt gacattggat gggtgcttgg 60
tagaggtaca tgctaataac taataagatt tcctgtgcag ggtatcattg tttttgcatg 120
agtgatggct accttggggc tggatatttt ggttgaatct gcctcacaag ttatttcgaa 180
ggtaattgac ataatctatt gctcttgttt gtttattata tacctaaatt tgggttcaag 240
actagttatt caacacgtgg attatctacc acaagattgt tctaataagt gattttatca 300
tttgagcagt tcatattatc attagacctt gctggtgctt tgattccgct gctaaagttc 360

actagcagca caatgactag cagcacaagc attg

394

<210> 23998

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23998

ctcagcttag acagcttgtc ataategatt atgctaaacc tgtattcaat taaaataaag 60

aggttttgca tcttgaagaa acttttctaa cttagaaaat ttttctttac actaaccatg 120

atgatgaatg atgcaagaca aatatcatat gtactaagat gcaacataaa agataacaat 180

gaatacaaat gccactcaag ggagttagac atgcaaaagt caaaacatct tcaagctntg 240

gcctttatgt tgttcatcat gtttctcatt ntgctccatc tatctctaac acatgtcatc 300

tntaatgatt ttgtctttga tctctcaaag aaggattaaa gatacttcaa ggaccacatt 360

gagcaactac atgaagtgta aaagtcaaca agagaagagt atgananagc ctatgatcct 420

<210> 23999

<211> 444

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 23999

actggtcagc cgaatggaga cttctgacta atgtttctta gatgtttgng tactaccaca 60

tggctacttg gcttaaagaa ttcttcgcca attttgagct cagacacatt ataagagaaa 120

acaatgagag ccaacttggt gttaaaactc gccagtacaa agaagaaagg ttaatacata 180

atagttatca aggaaacaat cttggaacta ggcttggaaca atgtggtagc gagtgttaact 240

ctcatttatt gagcgtggat aattgagatt tacgacttcc tgganaaaaa ctcactctcg 300

aaatatctag tagcgacaag aaagattaag agaaatgcca gctattatgt gatagcggga 360

ggatacctat acaaaaagagg ctctactacc cctctgttga aatgcctaag tcgggatcat 420

gtcgagtatg tgatgaaaga catg 444

<210> 24000

<211> 422

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24000

tgtaacctat tatgactntg acgaagtgcg acgcgtattc tatggccatt gaattttttt 60
ccttatcttc caatgctgcc cttaccgccg ttagcccttg gccaaaagaa tttgagtatc 120
atatttatat gtttgataat tattattatt gttattattt tttctcttga tgcacgtaaa 180
agagaataac ctaaactttt atatatgcgc attcaaatta aaactaacat acataaatgg 240
tcaattaatg gatcttacat aatgactcgt tttcctttgc ttcttttcagg agagatcatc 300
atcaattgat atggaatcat gtgtgcctcc tggattttaga attcatccca cagaagagga 360
gctcgtggtg tattacctca agaggaagat aaactcgcta aacatcgatc tagatgttat 420
tg 422

<210> 24001

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24001

tatttatagt ttgtntaaac ccaattatgt tatgcttggt aaatcttaag gttaagaaaa 60
aaataatttt taaataaaaa tttaaaagat agtactaaac taaatttatt gaattggaag 120
tgcttcataa aaattagtta ttgaatcaat tagttttttt tttggtgtac attaaattaa 180
ttagttaata ataaaatgac gtagaaaaaa atgtttatat gatttttata cattttttta 240
tttctagaaa aaatactttt aattaataat aattaaaact tttgtagtta gttgtaaatt 300
gatataattt ttaaaagata aattttttta ttaaaaatta agaataaata atataatatt 360
aaaagaggga atttattgaa acacagtgcg tcagcttaga attaagacaa ctttattagg 420
ttgaacagac aacaatttc 439

<210> 24002

<211> 409

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24002

tgtaagcttg cggctattnt ctcccattaa agtataatta taagaaacat acacaagaag 60
ctttcttggt ctggctggcc attttgacat attcgtgcat atttacatag agactaacc 120
attgctaata gtctatattg agacgggtca ttggggggtt atataactat gtttaattgct 180
aatagtcaat gcctatcagt atcatcacat.aatccaatga ccttagactt cattgtataa 240
tagtaacaca atcatattaa cataataatt tacataatat ggttggtcatt atgaggatca 300
atctctcaga caaaagtcac aaggaagggt ggacacaatg acagatgccca tctagaatcc 360
aattttgggt ttatatcttt ccaatgagaa agagatgata tttcatcac 409

<210> 24003
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24003

atagaatact nacgcttgca gacaagacta tacgaggat cttccttggg tatatcaata 60
tctctaaggg ctaccgtgtc tacaacttgc aaactaagaa actcgtcatc agtcgagatg 120
tggaagtga tgaatatgct tcttggaatt gggatgaaga aaaagtggag aagaagggtc 180
ttataccgcg tcaactacct caagaagaag ctgaggaaga agaccaggt gaaccacctt 240
cacctccacc acaacaacaa gatcaagaac tatcatcacc agagtctact ccaagacgag 300
taagatcttt ggtggacata tatgaaacct gtaacttggc catacttgaa cctggaagct 360
ttgaagaagc gtcaaagcag gaagtatggg tcaaggcaat ggaagaagag atgcagatga 420
tcgagannaa caacacatgg gagttagtaa atcgt 455

<210> 24004
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24004

ntaataagat attatctatg aaagtaaact acaagtttca aaaggattcc ctttatggga 60
aaaatatata ctacaatcca aaagactatc acaaggcct aagttgggtcc cctctaacat 120
tatatacgta actagcaaaa agagagagtg gtcttgactc ctagtccatc ttctagatct 180

aggtcttcaa gaagctgtat gatctcttgt aatatcagta ttatctgctc tcgtacccaaa 240
catgatcatc acagccatac aacacaacat agacatgaaa gcaagggtaa atttttataa 300
aagaatcatg ccataaaaaa gtaaagggat aatgagatag cttacaagag aattctgaat 360
aaaacattca ttaccaaatc aattcaagca tatgatatga taatctcaat tcacacttta 420
atctcatatg catatgtatc 440

<210> 24005
<211> 423
<212> DNA
<213> Glycine max

<400> 24005

atthagaaaa tacaaattaa ctcttttata tgctaattct gttttataaa ataaaattaa 60
taaatagaca gcttattaat ggaaaaaatt gtataatatg catgagacct tagaatcaat 120
ttttttataa tcattgtaca caaaaggga ataaaattaa tttgatgtat aatacttttc 180
aattctaaaa taagtatcgt cctaattatt ttacctaaat aaagaaaaat tattagaaat 240
attagaaaga aaggccagg aaaatgatct ctttattccc atgacaaaat gtgtttatat 300
acacatattg tattacaatc gtgacccat aattaagtta ggactaatta cactaaatat 360
agaaatgaac atatatggaa agaattggct ttgatagcta cacaccggca gatactaaat 420
cat 423

<210> 24006
<211> 351
<212> DNA
<213> Glycine max

<400> 24006

gaagagagaa tggaagagat ccctgctggt cttccatgct ttataatcag cggcgaagat 60
cccgtctccg aaggcctgaa aaatgtgacg aaactcgggt cccttgacgt acgtgtggaa 120
attcttgctc agcatgtggt ggacgttgat ggggtcgcaa gtgaccaa atgtccatggt 180
ggtaaacc aa ggtccaatga actcaccagt gccaccatgt cgttgcaaca cctgagatga 240
ataatcatgg gcacgccata aattgaacag taattgtggt agcatgccaa tgatacggta 300
ttctgtccaa atgggttggt gcaacatcgt ctccatgga agaaatattg g 351

<210> 24007
 <211> 454
 <212> DNA
 <213> Glycine max

<400> 24007

tcaggttgct caattgctcc aggttgctgc acggaatgtc aaaggtctgt atggtggtca 60
 gcagaggagc acaaaccaca aacccttgcg acaggtacag atttctgatt caaggccagc 120
 tggggttacca agttgaccaa cgcattccagt ttgccttcaa gtttcttagt ttcagatgat 180
 gcagatgggt ttgtagctac ctcatgcact cctctaata ga ctatggcatc atttctggcg 240
 ctaaactgct gggagttgga ggccatcttc tcaattaaat ttctggcttc agcagggggtc 300
 atgtctccaa gggctcaacc actggcagca tctatcatatc ttctctccat attactgagt 360
 ccttcataaa aatattggag aagaagctgt tctgaaatct gatgggtggag gcaactggca 420
 catagtttct taaatctctc ccagtactca taca 454

<210> 24008
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24008

tatgcgcata tttccttacg aacgttcact tgcacaagac atcctatcat ctaagaaaaa 60
 tgcaccata tacaatcaag gtagcttcat tacctagatt atttacatgt acttccaagg 120
 tgtatttggt atttacatca cacacgctc cttggctgaa ttacatata tgcataactca 180
 aagcattntg gggtagcaaa aactgcacat gcgctcatct tggatattct aataccata 240
 catatacaaa cttcacgatg aatcttgact acctacacaa taagggtgcta catttcatgc 300
 tttttttcaa gtttttgcta cctanagcca catgcaaatt caagcatatt ttcctttgct 360
 gactaaaatt gtattcaaat tagaaggtat atattntttt tgtaatgtgg tttcttcaca 420
 taacatgcaa catatttata tata 444

<210> 24009
 <211> 439
 <212> DNA

<213> Glycine max

<400> 24009

agccgctagc agacgagact tccgaagaat tttctgtgct tgaatatata aatggctcga 60
tgtacatggg caaaccactg aagataaatt gtcaaaaggc gattctgatg atgaaatgct 120
catctctgtt ctcaagtaat gttcctttac cttctcgttt ataggatcac cactttactg 180
atcaacgata ggatcaataa tgatgttcac aaatttactt tgatgctgat gctgaacgac 240
ctttgtctac tatccctaata cagatacacg gtgacaaaat aacaggagct accaatcata 300
aatccgtgaa tttggaggga agcctgttgg ttcagcacct gtaagtatat actgaactct 360
tatgcttatt aattattgac tggatttatt tcttctatta gatctatgtt tcctctacga 420
aatgaaatgt tgtcattat 439

<210> 24010

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24010

ttaagacatt ntgcaacatc attntgtaca ttcaacatta acattctatt tcttggcatt 60
ggtagccttg tgattagatt gtttctccca tctctgatgg aaagattgaa atctttcatg 120
tgaatatcat agcctttttc gagtaattgt cccaaactca aaatattgat cttcatatct 180
gggacatagt agacatttga tatgaattca tgtcttccaa ctttcaaacg aattaagatc 240
taaagcatct atagtagaca tttgaaatga attcatgtct tccaactttc aaacgaatta 300
agagtcttat aattatcacc aaatgaaaca ctattctaaa gcattctatag tcaagtatta 360
ttggtgacta tggcgacgat aatacattaa tgnntttgta tgagtagatc gactaatgac 420
cacgtctcat aggtcatgga ta 442

<210> 24011

<211> 435

<212> DNA

<213> Glycine max

<400> 24011

tctatcaaga tgataatcag agcactatag cttcaagtat gtgctcctta aacctccatt 60

aattttcaac tttaccttct cctccattgt tgtttcttca tttttctcca cgtatctcct 120
cacatgtttt gtgttaaag ttgttaacat gattcttttag aatttccact gattaatctt 180
gctatacaag ctagatttga ttttctatgg ttcaaatttc ttgttaatgt tcttgaacca 240
tgagttgtgt tgagtttaag tttctttgag ttttgtcttg ctattttttg tgggtgaaac 300
caaaaccata aaattcttac aaaaacatta aagtacaaga gaacatcaaa aatctagagt 360
gacttggtca actattgtag ttctgtcata gaagtcatgt ctagtcatga aacttgtcac 420
ataagatttt ttatg 435

<210> 24012
<211> 370
<212> DNA
<213> Glycine max

<400> 24012
tctattaagc tggaaccatt tatcttttaa cacaagttga gttgtattca gaaaattaga 60
gtttatctct tttatcttag tgagagtgat tctcctaaat tcttgagtga ttcaagaaca 120
ccctggctgt atcaaaggac tttcacaacc tttgtgtgtt gccctcgctg gaaagagtga 180
ttctttcctt ccaatcatct ccacccttgt tctttcaaac cacaattcca gaaaatccac 240
ctctgcccaa aattatctcg tgaaaggact cgtgttgaat tcaattgagg ctcatgaatc 300
acttaatttg agtgcgtaaa atgggaatta tggtcacgag ataattttgg ccgaataaga 360
tggaatatgc 370

<210> 24013
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24013

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ctctcagcca cttatgatag ccgccgatga tcccattact gcttccgcta agctctttgt 120
cctttcttca cgccgcatcc catgccttgc gaactccttg gagtaccctc gcgttgtggg 180
caccgaaacc ccgtgcgatg aaaggcgtga tgctttcgtc tgatggcact cctctcatgg 240

ggtagccaaa ttgtcttatg gcgaggacgg gattataatt aatacaacct cttgttccat 300
 caagggaaca ttgggacatc cttcgcatga agatagaatc ctgattcttc cttccttcta 360
 gcgagggaac anattaacag acgcccctcc atgctagcc 399

<210> 24014
 <211> 415
 <212> DNA
 <213> Glycine max
 <400> 24014

tatctccagc atagtcaaca tcacagtagc ttgtgagtc aaatctttc cttcttttaa 60
 agcatagacc aagggtataa gttccaataa gatatactaa aatgcattta ataacagata 120
 aaaggacttt ccttgggttct ttttgaaacc ttgcacataa gtaaacta aacattatat 180
 caggcctata cgctataagg tataacaatg atccaatcat tgctatttat tgggttttgt 240
 ccaacttttt tagattcttc gtccaaccct aagtatctag ttggatgtat aggtgtctcc 300
 atttcttttg cattgtccac gttgaacata tttagaagtt ctttcatata cttggtgatg 360
 caatcctacc ccgcaggcca ttgggtagaa gactccaagt agattggcta gagat 415

<210> 24015
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24015

tgagctcggt actgtgcct tacaagccc ctcataactt gttcctgctt cattcttctt 60
 ttctgggccct ttntgtttcc cgctctaacg cttcaaccgt ggtcatgttg atacctttca 120
 gctcatcaca ctcttctta accctaata gaatgtctct tagcttctct ttcaccactc 180
 ttgtcttttt aagctctggt ttcaaagctt gcacttcttc actttctctc agaatttcag 240
 cctctttccc acttagactt tttagctttg ggagccacgt tatcccttgc attctagact 300
 tcaaccatat gtgatagctg ctgatgacac cattgctact tctctaaagc tcttatctt 360
 ttcttccac tctattccat gctttacgga tttttgaag tatctttgca tta 413

<210> 24016
 <211> 395

<212> DNA
<213> Glycine max

<400> 24016

tctcaggaag tctctcttat agcttctatg gaatctacct agtctataaa tagaagcatg 60
tggtacactt gttgtaactt tgatgaatga cagtcttggt agacatactt gaaagttcca 120
cttctctccc acttttattc cttcaatttc gtgctcccc cttctctctt cggacctct 180
ttcttttctt ccattgaagc atccttccaa gcttcttata caagtctcat cttggtggcg 240
aagctccttc ctctatggct tattccttaa aggatggcgc ctcctctcac ctctttggct 300
ttgtcttacg ctgcatctcc atgggtggaaa atcaccatta taggacccca ttgaagctca 360
aatattcaac ctccataaaa gccccacaag caagc 395

<210> 24017
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24017

ctatgaaact cagctgaatg gtcacatatt gaaggatgat gcgtaatat tctgctgggc 60
tacgcgtcat aatatggaat aaggatgcga cattcctttc cattcctggt ctaccaacat 120
cagggctgag tcttgtgcta aggggggatg gtgacatata tctattgtgg ctgggatcct 180
agtgtaaaca tatctatggg ctgcctaata cctgctctca agctctgcaa ggcgtgtata 240
attgctacta tggtacacc caagttctca gtatttcatg gctagcgnnt tgaatatgct 300
gcataccag cctctatatg aatgttagta cctctgcgac ccacctattg tatatgacct 360
actattgctg agcgaagaat aaaactgcac tatagcttat cttatgacac catgcctctg 420
cacgaaatga ctct 434

<210> 24018
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24018

tcttaagcat agggacatct agtgctaacc ttttttctact caactgtgac aatgcttgat 60

gatgataatg cccaagcctt ttgtgccaga tttctgtgtg attctctatg agagagaaaa 120
cagcttgctc cttcttcaat ggatttagag caaaactntt tcctttcatt ttcacctcga 180
agatttcttg accagctaca tctttaatta agcaattttt gttttcaaata acaactttaa 240
atcctcggtc aattagttgg ctgacactta ataagttttg gtcaatttct agaacgaata 300
ggacatcaac aatacatctt gtgcctgcag aacttgtgat tgcaactgtc ccctttcctt 360
tgactgagat ataatcacca ttaccaattc tgactctggt gactttt 407

<210> 24019
<211> 421
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24019

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ggctttgcac tccctcttca ttatccattc ttctggatcg agtggttatag ggggtgccttt 120
gcgctttctt agttatggtg agttccctac agaaacaaac aatcgtgagt atgccaccaa 180
aacatgaata tgctaataaa tgatcagagc acttggatcc acctcaaggc ccttttttag 240
ataacgtgat gagttgcaga acttctcggt ttataaaaag gaacanagct tttatctagc 300
caagatcata caaaagtgtt acaacagaac ctaacggttt ctaattatat gggccatcan 360
atctatcatg tgttgacagt aattgattag cccgtgaatt tcctcggggg ctgtacacac 420
t 421

<210> 24020
<211> 394
<212> DNA
<213> Glycine max
<400> 24020

caagtgtgta aagtgtgaat atatattgga tttaggggtt acacacgaat ggataaaaat 60
aattgtttgt gttttacaaa tgcaggggta aatttgcaca ttgggcctta aagagactac 120
taccgaatag ctttgagagc ctatgtagtg tttgagaagc catgaacaat atgatcactc 180
tacaacatat tgaaattaaa gcatcgtttg agacaactac acatgtgggt gggcatgttt 240

ttaaagttac ottatacaag aaactatttg gcatgggtatc aaggtatgtg ttaaaccaca 300
 ttgttgctga gtttgagcat gtaaattatg ctagcattga tagttctcat tatatatata 360
 taatgagaac tactcacggg cttccatgtg cacg 394

<210> 24021
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24021

taganatcaa gtgataaaag ttatatatttc agtgatcata tattccataa tataggggga 60
 gtaaattgcac attttatcta tatacaattg gttgttgctt gcttgaatct tgatttcagg 120
 tattgtattg tcatcatcaa aaagggggag attgtagatg caaatgcctt tgggtgttttg 180
 atgatgatca tgatgaagaa aagcaaata tgcataatgat tcaagaatac aagccacaac 240
 atcaagatga tcactagtac attaggaagg aaattcataa ttgatatagc aaaagggttg 300
 gccaagtaat gcatgttaaa aagtgttttt cagaagatct actctctggg aatcgattac 360
 cagaggatgt aatcgattac cagtggccaa aaatgcttta caacagctac taaatatttg 420

<210> 24022
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24022

tgttatacaa atttataaaa attcaagtac cacaattgtg ttaaattccat gattggctga 60
 tattgagaag aggttgtcct taatgctcat agataattgc gtgatgataa caaacaaaat 120
 ctaaactcta catgagtaat tcaacttctt cttactcgtc aaatttgctt gcataacatc 180
 taatacactg caaacattct cacggcatct aatatgttgt ttgcctccta tatttaagtc 240
 atttgattat tctgtcaacc canaccttac tttgaaccaa caatgaaaat gctcaatatt 300
 ttgagatggc ttaacttgac aatatttatg acatctctac tattgaataa caacttttag 360
 atctaaaatg tcttacattc tgtaatcatg tcaatttctt ggacaacaaa tgaccaacaa 420
 tatttcaatt gtaacat 437

<210> 24023
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24023

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 gcatctctaa tcacctttcc tectactcca ttctgcttcc attgatcttc aagaagcaaa 120
 ggactccatt gatgaagaag atccaaggcc tacaatctcc acatggagct acatcatgtg 180
 gtatcaagag catcttcacg taggtgatgt tcttttgctt cctctatctt tntcttcggt 240
 taattcactt taatcttcat tttcttctcc atgtatctcc tccattgtct tatgggttgg 300
 tgttgtttat agtagattca aaaaaataaa tcgattanat cttagatcta cacttgttct 360
 tgcatttcta tggttcaaatt tntatagatc aactcttgaa tcatgntttt gtgttgattt 420
 taagggtgat cttttttt 437

<210> 24024
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 24024

tcaccttttt gtcctcctca gttggttgcg gagaatacat gctctatttt catctcccac 60
 tccaagtagg cctccggatc attcttttct ttaaattggag gaatgttgag tttaatacca 120
 tcaattcggg tttgtctaag aacaccatca ttcctctctc tctctcttcc ttcttcatta 180
 tgatctctat tctccatttg atccaacctc tcatggagcg catcatctcg ttgcttcatt 240
 aacctctcca aatgttgcg caaagcttgc atttgaatt gcgaaagccc cactccatca 300
 ttaggattag tacctgacat ctcaaacgaa caaatcatat gtaacaagac aattatagtt 360
 gctgggttgaa tacctcaccg actcaagtgt atcacacaat tatggctctt ctctaattgat 420
 acactcttgc ctttttac 437

<210> 24025
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24025

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 agaagaatgt ggcatttacc ttcggtgaaa aacaagagca agcctttgct ttgctcaagg 120
 aaaagcttat taaggcacct gttctagctc tttctgactt ttctaaaact tttgagctag 180
 aatgtgatgc ctctggagtg ggagttggag ctgtattggtt acaaggtggg caccctattg 240
 cttatttttag tgaaaaaatt catagttccc ccctcaacta cccacctat gataaagagc 300
 gttatgcctt aataagagcc ctccaaactt gngaacatta ccttgtttcc aaggggaattg 360
 tcattcatag tgatcatcaa tcacttaagt acattagagg gcaaaacaag ttaaacaaaa 420
 ggcatgcaaa at 432

<210> 24026
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 24026
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 accgggagat atgtcgcggg ggtcaggaga ccttgggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcgggtcag tgagaacctg 180
 tgatgtacct aaacaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240
 agcaaggagg cttgtggtgg ctggccagct gtgaactttg attgatatgt gggttatggc 300
 ctctggtaat cgattaccaa ggggtgggtaa tcgattacaa ggcttaaaaa tgaagacagg 360
 aggctaagat ggtctctagt aatcgattac cacgggatgt aatcgatta 409

<210> 24027
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24027

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 aaccaacctc ttcactactc cagatccttc ccccatcaca tccctcactc cactttcaac 120

ctaattggcat acttttagtgg cttctcgcaa agatctcatc atcactggaa acacgaagca 180
tgtaacgact cgcctcgtcg ctatgatatc accattctaa accgtgaaaa tttcaatttt 240
taaattgaaaa ctctgttaat tttcttatga aaaaaaagta atttttttca cgatatacat 300
tcaccaaaca acgcataatt acttaaatga atacatatat agatatagta actcaatata 360
catcatccac ataattgana gtaaattagc ttatac 396

<210> 24028
<211> 388
<212> DNA
<213> Glycine max

<400> 24028

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cagcaacaac ttctcatccc tggaatgcga ccctatcttg cgacaatata ttttgagatg 120
gcacttagga caagttgtcc ctttgtacct atcgaaacca ggtaccttga atgatgcaat 180
cctaccccc aagggcattg gatagaatac tccaagaaga ttggggccaaa gatgcaagag 240
aaagccctag ggttctotta agccttatgg tagatttcag gcccatggac taagtatgag 300
cccacttatc tttgtacata ttagattaag gcttcattaa tattgggtct tgaatttatg 360
gctctataat atatgtaggg taccctat 388

<210> 24029
<211> 399
<212> DNA
<213> Glycine max

<400> 24029

tgaatcaagt agcccacagg aagacgaaaa tccccaaaca gaacggccac acagactcga 60
gtcgaacgaa gttcaacgag caagcattaa cttgccagag tcaagaacag acattcagaa 120
gattcaagag aaaatgactt caagatgcca gagaagaaat caacgaagca acaaggcaag 180
acttcacaag ggaagtatag aaaaggatat tccaaaaaca caccacagca aaaccttgtt 240
ctacacaaga agtccctca tatgtctcta agataccaga cgaatcactc tcgtggaatc 300
agaaaccagc tccctgtaat cgattaccag cgaaaaaagc ggatggcaaa gagctcttaa 360
ctgaatccgc aacggcacca acgaactaaa atggcggag 399

<210> 24030
 <211> 258
 <212> DNA
 <213> Glycine max

<400> 24030

agttttgttta tgttgtatgt gtagaagggt gaaactgcct gcgtttattg ttgaccacag 60
 actggcacct ggagatatgt cacggggggtc aagagacctt ggggacgtca ggtgtggtgc 120
 tattgcccac aaccaagctt gtccaattcc gacccatccc gggatatagtc tgtcagtgat 180
 aacctgtgat gtacctatgc atgcgagctt ctggcagtc tccagattata tgattgctgg 240
 acctctaagc atggatgc 258

<210> 24031
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24031

ttgcttgtgt ttgggcaata gcacctcacc tgacgtcccc aagggtctct gacccccacg 60
 gcatatctcc tggtagcact ctgtgggtcaa cgaataaaaag taggaagtct ctcccttcca 120
 cacttcctca cttcaagcat gtaagattat ggggtacccg tcacatgtgg tactaggtgg 180
 cggtcggggcg atggtgcaag tcgattatcc acatccacaa atcacacata aatccaccac 240
 ccccagttgc ccaccttcaa ctgagctcac gtactcccac gtagccctta tctcgttcc 300
 tctcaacacc ggggtcccat caatcctccc aagcttcac aacatgcaag caatttcaac 360
 atccaaacat catgaactat 380

<210> 24032
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24032

ttacttatct tgtaactaac caagccctcg gggaggggaa tcgacaacaa agaactactaa 60
 tcaatcatca aaccctaaaa catagtaatc tctataaaaa ctaactattg ttgacttata 120
 aaacctacac actcatcgta actatgatca acaacaatta cagatccaaa atagacatcg 180

aacaccaagc atcacaaact tcttaactac aatcatcaag ctcatccaaa aatacaaaaa 240
 caatcatcaa aacacaaaca aagacaatca acgacaatca ttaatctaca aacaacaact 300
 aacatgacta tcaaaacaca atcaaagaca atcattaagc cacaattaac aataaccatc 360
 atacacagaa ctcaatataa agaaa 385

<210> 24033
 <211> 294
 <212> DNA
 <213> Glycine max

<400> 24033

ctaggaaaat agtataacta actcacatac tctgaaccga gtacaatact cacattactc 60
 tcgaccacta atccaaaaga gaatgtcaga agcccatgta gagcaattgg aaccatcaaa 120
 ctccctcatg gatagtgcga agcttgaaag taaggcctca agtatagatg tgtcagaaac 180
 tacggtagac gccataagac acacaaacag aaccggcaac aacaaagaac gatacagcga 240
 aagttcagat aaacaaagga gtgcaagcaa tgcaactctg atggccacta aact 294

<210> 24034
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24034

tatcttgaat gtgcgcaacc caccatttgc ataggagaat actggcaatg cgtctaccat 60
 cagacaacc atctcccttt acatcattgg gggtgccact tatgctgccg gatacctcca 120
 cctttgggtg tattcattga tagattcaag cctctttatg cacatgttct gtagttgcat 180
 cctatccgga accatatcac aattgtcatg atacttgcta acgaaggcaa ccattaagtc 240
 ctaccaagaa tggactcgtg aaggtaacct agtagtgaac caggtaacag ctaccgcaga 300
 aagactttcc tggaaggaat gtattagcaa tttctcatct gttgcatatg ccccatctt 360
 ccaacaatac at 372

<210> 24035
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24035

accacagaa gaaaagaaaa gaacgcaaaa canaaagggg ggtgtgctca gcaccnaana 60
 angccggaaa aacaccaggt tcttacaaga cgacacgggg caccaagaaa ccaccaccag 120
 agcaaaaaaa aaaaacacca caaaacaaaa caaccacaac aaacaaaaga aaaaccgcac 180
 accgcaacca aaagaaacag ccccaaagca agaacacaaa acccgcaaaa caaaaacaaa 240
 aagaacaaca gaacaaaagg acaacagaag aaaagaccac aaagcccca aacc 294

<210> 24036
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 24036
 tttctttatg tgatggatcg agtggcctca aaatatttaa caatgggggg ctgaattaat 60
 tattcctaaa cctttaccaa ttaataaatc actcttttaa ggcttttact aaattgtgaa 120
 gagaatgagg agtataacag aaacttaata gagagtaaat acgtaaatta gatacacact 180
 ggaaagataa tgagtatgga acaatgaatt aaacaccac gagttttata ctggttcttg 240
 acaaccggc ctacatccat cccagcgac ctgcggctct tg 282

<210> 24037
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 24037
 tatcttattg acatacagtg tcagcctgag tcacagctta agttcataac tgaagcctgg 60
 ctacaagtaa attagtgttt tgtaaatgct ttgtacagtt tgctatgtaa tgaattatta 120
 agctcttaca tatgcttttt tattacaaga gtagaccagt tctccccctg ggatgaagtc 180
 tcaaagcagt tgatattcat ttacatttg atttagaata aattacacta accacccttg 240
 aggtttcgtg taattacaca aacaccccat gctgtttaac catacagtca cctcctttgt 300
 agcgggtgtta tgtaacatat gaggaggcgt aattgtatgt taaaacttat aggg 354

<210> 24038

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24038

agcttttagct ataccaagac aaattttctt ccttggtggc cagtctagtt ttgttttgtt 60
 tggatccctc cctgtatgtg attgggagaa ggacaatcag ttagttgatt atatcaaata 120
 ttgtattcaa atggcaagta tggctaaagt ttattcatca tgaagcttac caaaaagaat 180
 gcgagataga caattatattt ccatgtactc atatatcagt attagctggg tgccctccac 240
 acaacatcca taaagcttaa caagattggg atgttgaagt ccagatatca gtcccatctc 300
 attcacaac tcacgatttc cctgtttaga ttttgaagaa agctgctnta ctgctattat 360
 tgtaccatct gataataggc cctgcatcat gaac 394

<210> 24039
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 24039

agctttcttc ttactctgat gaatactctc tccttgcctc ctccactca ggtagcactt 60
 ctgtgcttaa tgacctgcag ctcatgcttg attgcactga tggggtgcgc cttgctttat 120
 agcctatgtc attgacgtgg aacaagtctc aacgcttaag gaactgattg aggtactagg 180
 cgcaggataa gttgtcttaa cacatgtatg tatcatgtat tggatatacgc ctttagatga 240
 tacgatatga tgaagtggat tcatgatacg ccttgtgaaa tcaattacct attatttata 300
 gagcagagcc gctgctatgc ttaatctcta atgaagaaac tattatatat atatagactc 360
 cgactatcat gactctgacc aattctcat 389

<210> 24040
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24040

agctttgatg atttccagan attttcagtc tcaaaccctg aggtgctacc gattttacat 60

tcatctggga tgttaataac atttgctagc acactttcaa tgtccttttt cattaatggg 120
 tgaaattctt acgagttttc ctcaaggttt taaattacat ttagtgacgg ttatacagaa 180
 ctccaaaatc ttaatatccc agaaaattgt aggcaaagtc agttgcagac tgtaatttaa 240
 aactgtcacc ccagtaaat gacgtgggcc ccacttaagt tactgagttt catctcttat 300
 cttgtgggtc ctatgtaaat tccactcaat aagggtgttg gacacaattt gtagatagtg 360
 tattggtaac cattatggag gatttgcttt catttt 396

<210> 24041
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24041

agctttaatt tttgggctac gtttcatatt gattagaggg tataataatg tgtcttactt 60
 ccctcaattt tcggtcaaag ttagtcttat ctatatTTTA taaatcatga ctttgatctt 120
 tgtatttttt ataatcatct ctctttatgg aacatatgat tctagagtca aagacgaaat 180
 tcaccaatta tataaaatac gatgatcaaa attatttttt ttaaaatata gggattaaaa 240
 cctccaacac aaattaaagg acttgtgaca catttgaccc ttggattaga ttatatatcc 300
 agaaattcta tgccactgaa atatgattct aggcacataa tagatgattc atgacatacc 360
 caagtgacta agtctgctct t 381

<210> 24042
 <211> 322
 <212> DNA
 <213> Glycine max

<400> 24042

agcttcgtga tctctatatc agattcacca atgtctgcgg gcatatgcc catttcttga 60
 cccaaatcaa aaccctcaa gtcacgacc tctcaaaca tagcaacgaa ctctacggca 120
 acctccctgc ctggctccct tctctgcca acttcttga aatctccttc gacgcatacc 180
 gcatctccgg ctcttctctg aagtcgctca caggatgatg acgctcaccg acaaccgcct 240
 taccgggaag atttcggcga aactggcgaa gctggacttg aagggtgcgt acttgtgtca 300
 taatatgctg gaggtgatg ct 322

<210> 24043
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 24043

tatgcttgct taaagatgtc ttgattaat taattatattt aaaatctagt gaaatactaa 60
 ctaaaaaaaaa acataaaatt tcgtataagt aatgtacaaa tccaaaaata attgataaac 120
 aaaatcatat tgaattcaag tcgttaaagc acaaagtata tataaaaaaa gagcataata 180
 ttaaaaaatg tatagattag gtcttcagtc ccatagctta caaatctatt ttaagtccaa 240
 gcctataaac gaaataaaat aaaatttggc caaaataaga taagatttga tgaaatataa 300
 tctggataaa ataaaatcta aattgaataa aatctggata agataagatt tgataaaata 360
 aatattatta ttattattgt tagttaaaca gttat 395

<210> 24044
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24044

ttgcttcgct agttattatt attctttaag catgtctgta acatggtttg tgcagtgctt 60
 gaaacttcca gaattggccc atatgctttc gaagatatga taaagatggg taaggatgct 120
 ggagaggagc ttctttctcg agccggacct ggctttttca gtcgttaaca atccaccaca 180
 ttaaattggc aacacaatac ttgatcaggg aggttgcacg gtcagctctt tcagttgact 240
 gcatcccaag tatgtctatt cttcaaccat gttgtataga ctaaaatatt cagctgagtt 300
 ggaaaaataa gccactcatc atgggtccat tgggtgtatct taagggtgatt ataaagccaa 360
 atttttgtat tgggtgtgtg attat 385

<210> 24045
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24045

ttgcttgact aggcgagttg attttagcct tagtttcact ttagttatta gtcaattcaa 60

ttaagaatga gaaatcccaa agagaaaatg tccgattgat ttttcgcttt attttactaa 120
aaggcattttt tttattatta tattattatt ttacctcttt ttttatttcc aacgtgggta 180
cggcacgacc gaatggtcgg aattcatttt aatcgaaatt aacgaatgat acaattcaaa 240
cgatcgggtgg aaatttattn tattttttaga ttaggcgaga aacgacttaa ataatggct 300
taagcacgtc aaaaggggggt ataaaaagcg aatgacaacg agaataataa tacatgaaac 360
aaaatgtgga ccaccacggg tacatagaat ga 392

<210> 24046
<211> 385
<212> DNA
<213> Glycine max

<400> 24046

tgtctgatca aagagagtgg aagccagtca tcgatagtct accctcgccg gcgcccggga 60
tcgccctctt tccaaaagta gacgggctag tggatcaacc ggcgatcata tgctcgtctt 120
gcttacaacc acagcacgga aagcccggtc gcagctcgat tggtcgatgc ctatgacacg 180
cacgaccgga aacgctacaa gagcagcacg agaactatct gctgcacacc cgctcctcac 240
gtatggctgg gcacccacac cgcaaggcct gacatagact catctcgccc ctagtacgcc 300
accacatgtg cgctgataaa gggatcgaaa cgcgggaata acccctggca cgatcggaag 360
gacgtccgtc aaaaggcccc ccgac 385

<210> 24047
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24047

tatgcttcat aactcgnat tcaatgcaac catgacctac gtaaataagt tgatattaaa 60
aaggatcaag tcaaactctac aaccttcgat ggctacataa ttgtattcat taaaccatca 120
agcagcatgt cctcatttat tgagatgact tttgagaccc tatgacattc aaacaaaatg 180
ccttttaaatg atgaaatcat ttcacatca taatatacaa aagcatatgc attctgtatt 240
tcttaagcaa catgggtgtat atcaagcaaa ggtgtcgagt tgcacacac cctactacta 300

attata

306

<210> 24048
<211> 375
<212> DNA
<213> Glycine max

<400> 24048

tatctttatc taaatatatg cttagttatg acctcctgat catttccaat gacttagact 60
caatgcatac tttgaagtca cctatgccac tgattggaag cttttaatct gttagaatca 120
cttgtagaa agcatctcct caatttgacc atcttggttg taagaatcca catttttctt 180
atcatatgta agcatgtgct tattagccct gcattgcac aattacatac aatatatcct 240
taatatctaa gtaatgggtg ccatatatta tcctatcttg aaagacattg atgattctac 300
aatactgaga gatactatac atacaactaa cttatgctaa ttgagagaaa ataacgaaat 360
aaaattaata gatatt 375

<210> 24049
<211> 383
<212> DNA
<213> Glycine max

<400> 24049

tagctttgcc taccatatct gaggttggat gattcatttg gttgatgccg gatggggacg 60
tccggttcac cttatcaaca gcgctggtag tggcaacttc aaccgcattg gcttccatta 120
tcttcttcat gtcacatg gcctccatca ttgcggtcat ttgctctttc atggcctcct 180
atgtcggcct ccactctgctc ttgcacctcc tctacttcac ctattactct tgctctagca 240
taggttcggt aaggcgccg taaagcgtgt tctttctctt ttttataaca atgattaagt 300
tcccccccc cccctttttt caaggaaaga atgcaatgag caatgcaacc aatgaacaac 360
atggatgtat gcgaatgatg cac 383

<210> 24050
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24050

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 tggatccctc cctgtatgtg attgggagaa ggacaatcag ttagttgatt atatcaaata 120
 ttgtattcaa atggcaagta tggctaaagt ttattcatca tgaagcttac caaaaagaat 180
 gcgagataga caattatattt ccatgtactc atatatcagt attagctggg tgcctccac 240
 acaacatcca taaagcttaa caagattggg atgttgaagt ccagatatca gtcccatctc 300
 attcacaac tcaogatttc cctgtntaga ttttgaagaa agctgcttta ctgctattat 360
 tgtaccatct gataataggg cctgcatcat ga 392

<210> 24051
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24051

agcttcaca acatccaagt aattcaacat ccaagcatca tgaactaaca cagccaagaa 60
 aacagagcag aggcagaaaa ctttgcccaa aacacaaatc aatatcacag cttttcacac 120
 tcaaataccc caataacatt ctcttcgttc caattcgta accgttggat cgactcgaaa 180
 attttactgg aagtctctat tacataagtc tacattttga ccgttgggat ctgctagcaa 240
 atatccagaa ccccatatgt actacccttt ccaccaccag ccatacacia gcatttttct 300
 gcacatatatc aaaattctgc tgcacatatt tgacagcaaa attctgcata aagtgcagat 360
 tttcgaaacc aacttgccc tcatc 385

<210> 24052
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 24052

agcttttgtg tgtgtaattc tgagtgtctga tgcacagcct tcttacaagg atggggtaat 60
 tgttgtagtg actggctgct taactggaag tgacaatctg aaaaggaagt ttactcagtc 120
 ctttttctta gctcccagg acaaaggcta ctttgttttg aatgatgttt tcagatatgt 180
 tgatgagtat aagtcagttg atattgagtc tgtgctgca aacgatgctg ctgatgaaag 240
 tgctccaaca gatgcttttg tccccgagcc tggtaaactt ttacatctgc tggttatata 300

tgatcgtatt cctgttggtt ttcattttct tcctctaaca ttttgcttat ctttgtgtaa 360
 cttgtaagtg tgagttttga aacttttact ttgatta 397

<210> 24053
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24053

agcttggttt gaggtactta cccgttcaag actgagagaa acgaagaacg aacgatgaat 60
 ctttgaagaa cagtcgagaa tctttgcgta attactcacg gaaatgttac ggaagcgcct 120
 cggctcggat tttcttcacg gaactaattt tcctcagcaa attcgaaaga gagagaagtg 180
 cctaagggggc tgaacccttt tcttcttcac ttcttccctt atttatagca aaatagggga 240
 gaagcttgcc gccagctcg cccaggcgag caagggtgct tcctccagaa gcaacaacct 300
 tctggaggaa tcttctggag ggcccaagtg cgcttggttg ctattcacac ccctctgttt 360
 actaaatgc 369

<210> 24054
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 24054

agcttttttt tttattcaaa gacaacaaat taaacatggc attcttgaat taagaaccct 60
 agcacatatt cgtggagtg tgggttattt attttaaaaa agggtcagtt tgggtactgta 120
 tatcttaaat ttgagttaag attatctttt caaaataatg gtcttttgga gtatgagaca 180
 tgattttgaa attttttctg actgattgaa gtatgtcaca ttaaatacat ttatataaaa 240
 ctatagaact cgattaatgt tccaaaaaaa aaatgttaaa aatgggatga aaagtaagtt 300
 ttacaagcca ctagactatt aagatctatt atctgatttt ttttcagtgg ttcatagaact 360
 cactttctac tgaattttac catgtaattt a 391

<210> 24055
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 24055

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gaaaaaaagt attgtcattt gtatttgctc agagcatcaa cattcaattt cgagcgtgtc 120
gatatattac gggactcaat cagacatccg agtaaaaagt tattgtcgtt tgaatatgct 180
cagagcttcc gcattctatt tcaagcgtct cgatatatta caggactcaa tcagacatcc 240
gagtaaaaag ttattgtcgt ttgaatttgc ttagagcatc aaaattctat tttgagcgtg 300
tcgatatatt atgggactca atcggacatc cgag 334

<210> 24056

<211> 391

<212> DNA

<213> Glycine max

<400> 24056

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actaacctag ggaattaaaa gaacttaata gttgagtgtg actgaaattg tggcaaccaa 120
aagtcacccc aacagccatc aagtctgcc a catttggtc tcccaaaagg cttatgccta 180
ggttgccaat tgggccctta ttacaacttg aactaaacca aactaaagcc gttttagttg 240
attaaccac aatatatttt tggtcagcca actttacaag gattggacca ttatttagac 300
aaattaaaca ctctaaaatt gagacaaagt tgtgtcattt agtcctctc catttgggtc 360
atggtacaac tcacaacctt tgacttttct c 391

<210> 24057

<211> 390

<212> DNA

<213> Glycine max

<400> 24057

ttagctttga tgcaacatat ggagatgtta atgaacaac gagatgatgc gctccatgag 60
aggttggatc aaatggagaa tagagatcat aatgaagaag aaaggaggag aagagggaat 120
gatggtgttc ctagacaaaa ccgaattgat ggttttaaac tcaacattcc tccatttaaa 180
ggaaagaatg atctggaggc ctacttggag tgggagatga aaatagagca tgttttctca 240
tgcaacaact atgatgagga ccagaaagtg aagcttgctg ccacggagtt ttccgactat 300

gctcttgtgt ggtggtacaa gcttcaaaag gagagagcat gaaatgaaga gtccatgggt 360
gatacatgga cggatatgaa atagatcatg 390

<210> 24058
<211> 393
<212> DNA
<213> Glycine max

<400> 24058

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tctatctcgc cagactctct tacctctcaa cctatctctc ctccaccag tgtttctctc 120
tctactcact ctctctctac acattctctc tattattcgt gcctaatacta acattccata 180
taaggatatat taggacagga gcagattact attggagtca cccaatatg actgggttcag 240
tggtcttctc gccataaccc aatccttaaa attaatgggt cttattccca atagatatgt 300
ccaagttcgt gtgccttgtc taatcaaagt ttcaaaatgt tcagcctaca aatcaattta 360
ctatgctatc aaatgtgcc a ctgatagcaa gaa 393

<210> 24059
<211> 395
<212> DNA
<213> Glycine max

<400> 24059

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taaccttcca tgtgaagggt tcaaaccctc aaactaatca gacttttctc tccttttctc 120
gtttgaaaaa ttcgacatat gaagggaatg ccaaaccaag tccctaattt cttcaattat 180
gggaaacaag aatgcatatc cgagtgaata gaacaaaaag tcagtgcata tgaatcaatt 240
aatcacagag caagaatgaa acaatatcaa aacgaacata gggttagaag atccaaagaa 300
atagataatg ctcatgacaa gttatttact aaagatagt aaaggaaaga aaagaataat 360
ctcatccata ataataacaa aacgtgtatg agaaa 395

<210> 24060
<211> 377
<212> DNA
<213> Glycine max

<400> 24060

tagcttatag agtgactcat ttgtcagact ccagccttga gtgtattcctt tttattcaat 60
acagtcacct cagctaactt gaatatgtga agcaatgaat cactatcatc aacaattgta 120
ttaagctaac ttcaactgca aagagaaatc acattcacta attggcctat tctagagtaa 180
ctaggctaaa aaagctatgt aaaaaaaaaa gataaaatgt tattatcaga taaacttatt 240
tttatttgcc aaattcaaca tgaactacat gcacatgaat caaggccttt agcttttgat 300
ctagccccct caagaattga tcggaaaatg gatcccaaac atgaccttaa ctggctaata 360
atttattagt tctatta 377

<210> 24061

<211> 386

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24061

ggaggggtgt gtcgtacact gacannccng ntttngaann gcgcgtgggc ctactgagcg 60
cagcagtttc ttattttaac cccaacgac tgggcggggg gggttacccc aatcccctct 120
ttatcccaac actatgacct gctaccgggg tctaccgcc actgatcgct ttcaccactg 180
gtccttacaa gtcgccgata ttctgtctaa gcccacatca cttacgttcc aggaccgagc 240
agaatccttc gaacccccag atactgagca tgcctctgct cgatccaatt taaattatgg 300
gctaatttac ggaacgccat gctcgcgctg ctaagaaggt caaagggacg gaaaggattt 360
actactccga tgcgacggaa caaacg 386

<210> 24062

<211> 390

<212> DNA

<213> Glycine max

<400> 24062

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gaaaaggctt gtggaaattt tgaaaatcac aattcaactc tcattcttat gatatttgcc 120
tttaciaagt ttatcttggt aaacttgcca aactcctgaa actcttttat tgtacatagt 180

aattaatgga tttgatagtt caccttttga atcaatcatg tttggatacc accgtggtaa 240
aatctatctc agtaaaacta cgatcccgga ctcgtaacc gtgggaccat tgtgaaat 300
ggaccaccac cttcaaaacc cattttcgca catcacttgc cgtgggattt atgaaataat 360
tgttttgcag agagaaatta gtctcgacg 390

<210> 24063
<211> 361
<212> DNA
<213> Glycine max

<400> 24063

agctttat 60
tctacattca cgactacaca caaaataagg gagttaagta gtcattgtgtt
tacacatcaa gaaagacaca ctcatccaag atatatatat ggtccaaaag gttcttgcag 120
cactaatcca cgcattcaaag gagaaataag ctaactaaca acatacacac aggatgatag 180
aggtttggtta acacattatc aatcaatatc aagactactt gcatcaccca atggcttgcc 240
ataatgtcca actgcacttc gcaaattata gagatggcta atctcataac tcatgattca 300
acagtggatt tatggtatag cagacattat tgatgcaaag cacatacaag cattattatt 360
a 361

<210> 24064
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24064

ggaagataaa aagagaaaagg agaagggatt ataaaaccca aggggtgtgat gatcgagana 60
cncgggtgag nantggcggg gggatagaag agggaggga gatttagtta agaaagaaan 120
aagaaaaggg agggaaaagg aagaggaatg aagaatgaaa ggaggaaaga gaagagaaga 180
ggggaaagag gatgaaggag aagggggaga gggaggatga gatgaaggaa agaaagagaa 240
gatgaagaga gagggagagg gagaaagagg aggaaggga agagaaagaa aagatatgaa 300
aaaagganaa ggaaggaggt ggataaagag aaggaaanga agagggaagg agaggaggga 360
gagggaagga tagatgaaag agaaggagga gaagaaaag gagggaaaga ggagaaggat 420
agaaaacaga gtagagaagg aaaagaaagn aaaggaagaa gaaggaatag agaagagaaa 480

gag

483

<210> 24065
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24065

agcttgccctc aaagaggtcc aggaaggaca aggcagccga aggaactagt tccgctccgg 60
agtatgacag tcaccgcttt atgagcgctg tacaccagca gcgcttcgag gccatcaagg 120
gatggtcggt tctccgggag cgacgcgtcc agctcagggg cgacgagtat actgatttcc 180
aggaggaaat agggcgccgg cgggtgggcat cactgggttac tcccatggcc aagtttgatc 240
cagaaatagt ccttgagttt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
tgagatcctg ngtaaggggt cagtggatcc cgtttgatgc cgacgctatc ggccaactcc 360
tangatatcc gttggtgttg gaagagggcc aggaatgtg 399

<210> 24066
<211> 385
<212> DNA
<213> Glycine max

<400> 24066

ttgcttatcc gtagaggtga tggacctttt caggctcttg agaggatcaa taacaatgtc 60
tatagggttg acctccata agagtatgca gttagaactt tatagggtgga gctaatactg 120
aggagcatga accaacagat ttgaggtcaa atcctcttca aaggggagtg ggtgatgcaa 180
tcctccctag gaagggacta gtcaccaaag ccatgagcaa gagggctcaa gaggattggg 240
ctagagctgt tgtagaaggc ctaggatttc tcatgaacct tagggtagat ttctgagccc 300
atgggccatg ttgtgtccac ttatctttgt acatattaga ttaggatttc attatttttg 360
ggccttgtat ttagggctcc ataata 385

<210> 24067
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24067

tagcttcaag ctgcttaggt tgtcacccta tatatgtaca ctgacatgct tttctatggg 60
accaccaacc aactaaaact tgtcatctct caacatcacc tttttttttt ctcttcagcc 120
aataaaaatt tcccagtttg accactcaat ttccagtaac agtcaactat gacttgatta 180
atgagaggta ataaaagtaa ttttttttat aggggaaaca aaggtaacatt ttcttgccaa 240
agicaagaac taattccttt aaggatttaa cctcttcaaa caaatattta ttcataacg 300
ttgggcagaa acagannata ccaaacacca tataccttgn gcaatggaca tgtcttanaa 360
tgctttccaa ggacaatgta gtaatttaat ct 392

<210> 24068
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24068

tagcttatac caaaacattc acatcaacac taaaaggag cttaagtcac tcttaccctt 60
taaacgatga agcttatacc aaagtccaaa acattcacat atttttcccc tttttcaaaa 120
tatgaaacta cttattaaat tattataatt attttttggt tttttatcgt aagaattaaa 180
gataatatta agatatttat aacacttatg caccatgttg aaccaactaa attatacctc 240
atttctaatt atttttggtt gatatacaatt ttttaactct aaactatatt ttaattctta 300
aattgattat taaatatatc atatttataa aacaaatctc catacattga gtcaaattct 360
ntaaataata aattttatct ttcaatatat tagt 394

<210> 24069
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24069

tagcttgaga taaaacaag atataatata aatcttagga ttgttctggt tacgatggag 60
gtgagtggct atagtagcca tgctgctagg gttttggaag aggtttagag ggaggttgag 120
tctttggatc ctgagccatg acaaagctgg gtgggtttcga gatccagtca gcgtgaattg 180

aggagatttg ctagtggtcc aactactccg agggttgtgg atcattttga tgaagtagtg 240
acctgacgtg tgtggtcgat ggtgagtgc tngggtttgg aggctaattg ggcagatgag 300
aagtggatta tgaggatcca ggagcaggaa gccagagagc gcgaggcaat ggtttctatg 360
gtgaggccaa tggttcccca tg 382

<210> 24070
<211> 383
<212> DNA
<213> Glycine max

<400> 24070

tagcttgtaa gatttgcaag atcatcttcc ttgacaactc cttgaaaatt attgccatca 60
atacgcagag atgacaattt agagagtgat ccaatacttt gaaatggatt tccactgaat 120
ttattaatag acagatagag atatcttaat gatgaaagt ttcaaaatga tcttggaaga 180
gcaccaccaa ttaagttggt ggaaaaatct agcatgtcaa tagttttaaa agccccaatt 240
tgatctgtca gattgcctga aagttgtgaa ctccgaactg caagtgttgt gagtccatgg 300
gaaatacaag gagcaagaat ttctaaaagt tgattaacct gttggtttag tttgagatat 360
gataaaccta tcttccttaa gtt 383

<210> 24071
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24071

tagcttcata agcaagcttc caacaagtgg tatcagagca caagagcttc aagtaagtgc 60
tccttaaacc tccactaatt ntcagcttta ctttctcttc cattgttggt tcttcgtttc 120
tctccatgta tctcctcacg tgtcttgtgc tgaatgttgt taacataatt ttttagaagt 180
tccaccgatt aagcttgcta tagaagctag atttgatttt ctatggttca aattccttgt 240
tcttgaacca tgaattgtgt tgagtttatg ttcctttgag tttacattgt caattttttt 300
ggctgaaacc tataccataa aattcttacg aaaacattta agttagataa aaccctcaaa 360
atttaggatg acatattcac cta 383

<210> 24072
 <211> 345
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24072

agcttcaaca tcagaccact tccaggggtgc tggaactact tcacatggac ttgatggggc 60
 ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttggtgtg gatgatttct 120
 ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180
 agttgagtct aagacttcaa agagaaaaag actgtgttat caagagaatc angagtgacc 240
 atggcagaga gtntgaaaac agcaagttta ctgaattctg cacatctgaa ggcacactc 300
 atgagttctc tgcagccatt acaccacaac aaaatggcat agttg 345

<210> 24073
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24073

agcttgcttc tacactaaca cttttcgaaa ggggagtcac catattacca tggtcgtgct 60
 gagtgtatca tgtgttggat caagtggcct cagaataatt aagaaagggg ggttgaatta 120
 attattacta gacctttact aattaaat tacctttctt aggccttttac tataatgtta 180
 agaaaataaa gaacagaaat agaaacttaa ccaaaagtaa aagagataat taaagtgcac 240
 agcggaaatt aaaagagtag ggaagaagaa gacaaacaca caagagtttt atactggttc 300
 gacaacaacc cgtgcctaca tccagtcacc aagcaacctg cgttccttga gatttctttt 360
 caaccttgta aaatccttta caagcaaa 388

<210> 24074
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24074

aagcgagcat cagccgtaca cgtttaaata agaattngtgt gtacacttca tacaacaaaa 60

aancacnaag gagtccttga tgcctcgntc gacnancnca anncttacgc gacacccgcg 120
 gaacctatac agtcaacccg cacgcatgcc aactttgtgt tggatcaaga agagccatac 180
 gaagccgccc gtgcctaagc caccacaacc tggaaggcca ctcatcttat acatgacaat 240
 cttagacgag tcgacgggggt gtaagcagaa gcaacatgac gaatccagaa agaaagagcg 300
 cgtcgtacac tacctgagta aggagttcac gaccggtgaa aagagccact ccttgctcga 360
 aagaacgcgc cgcgccatat caagggcatc cactgcctaa cgcacgacat gctgagccat 420
 actaaccggc cgtatccaag acggaccggc ctaagtacat ctctgacaag acagcactca 480
 cgggacaaaag caccgggtgg aaaggcctgc catccgagtc cgaaagatcc gacgccacca 540
 cccg 544

<210> 24075
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24075

agcttagctt atgtacctgg gtgttgccca atttcatcat atcttctgta atactcacca 60
 cctctatcat atctaataat ttttacattt atgtctaatt gcctttttac ttcattgtag , 120
 taaatttcta aagcatccat tgcctaagat atctcgggca gtaagtagac ataaccgtaa 180
 tgtgaataat catcaataat ggtgataaag tatcattcct tttcgaaaga actaacatca 240
 aaagatccac aaatatcagt atgcacaatt tcaagaagct gagtgtttct tgtagctcct 300
 ttctttgtat gttttgcttg ttttccctta atacaacca cacaatatatt tagatccata 360
 naatctagat aaggaagaaa ttgattcttt a 391

<210> 24076
 <211> 303
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24076

atgaccaata aaaacaaaaa caacatgaat nnancgggggt gtctctgcac aacacggccg 60
 cgcctaagca cgagcacact gtcaaaaaaa gacggcggag agaaaagccc atcacaagaa 120

gaagagcaac gacacgaaaa gaccacacga aaaacgaaca caaacgaccg cgaaccgacc 180
ggcgacgcag acggagaaaag cggcgaggaa cccacaaaac acaaggctga aagaccagac 240
caaagacaag acgcccaccc acacaaccgc accacagaga aagaaaccaa aaccgccaac 300
acg 303

<210> 24077
<211> 335
<212> DNA
<213> Glycine max

<400> 24077

agttttatat gatgaaccaa gcaattttga tgatgccaaa tgcccaagtg attgattcaa 60
gactttctaga tcaatcatca agaatccaat ccacgggttta agattcaaga gaagaaatca 120
tagaagcaac aagccaagac ttcatattgg ataagtatta aaagaatttt ccaaaaacca 180
tatagcatag ttttggttta caaatgaatt tatcaaattt tctaagggtta ccagagtgat 240
tactctctgg taatcgacta catgttggca ttaatcaatt accaatgact atattgggtt 300
tcaaaatgtc gtcaatgatt tgaacgttcc aaaat 335

<210> 24078
<211> 180
<212> DNA
<213> Glycine max

<400> 24078

ccccccggtc atatagcacc cgccgctgca gctttttgtc acaacacccc cgaagggggag 60
cttgcatctg atggaccctt ttactatcaa gccagggaag atgacgccc acaatgccat 120
gtggagtact atttataatg taagccgcat gatagatcag tgcacttctt caccgcctac 180

<210> 24079
<211> 394
<212> DNA
<213> Glycine max

<400> 24079

tatcttcttt gcctaacaag ccaacttaca acagcaagcc ccatgagact catcataacg 60
atgcacaggt taaagttgag tatgtgaaaa gattgtatga ccaagtaaag gtgcaaattg 120

caaataagaa tgaaagttat actaagcaag ccaaatagaa gtttcaccgg atgacgccga 180
tcgaacattt cctaatacat tgaatagaat aaacaactgc tgacatcgtg acgtgatata 240
gccccgactg atatttttct gtcgacattg tacaattttc tttacatacg ctaaccgatt 300
atgtttatta tggtagagga agtctcttgg tttggtgttg cataaaaaat ttacaacgta 360
agtcggctgg gttttttcgt gcgtgctcaa cccg 394

<210> 24080
<211> 134
<212> DNA
<213> Glycine max

<400> 24080

gctggccctc taccaataat catagtggac agctaattct cgtatttttg cgtacctcct 60
gttatcctta tttatacccg cactcaactt agaatcgtaa gtcctataa cggcattttg 120
atcttcactc tccc 134

<210> 24081
<211> 382
<212> DNA
<213> Glycine max

<400> 24081

tatcttttta tacttgcata gaaagcaaaa gagaaaagaa gaataagctt gatctgttat 60
tgaagtgtga aattggttaa taacatattg ttattgcaac tatatatata caagttactt 120
gaaataacta actaattaga gttctattca ttaaccatga tcaagttaaa ctactcatct 180
atcgatgctt atagaaaaga tcatgtaatc aatgaaatac atcataattt ttttatagtg 240
gatgtatcct accactatcg aactattatg tgtttaaagc tagaaaataa actatatata 300
taatggaaat caatttacta gtacagattg taaaagaagt attgtttcat tatagttaaa 360
aaggaaattg atgaatcatc tt 382

<210> 24082
<211> 325
<212> DNA
<213> Glycine max

<400> 24082

tgtctgttta tattgccatg ttgggacgag tgagacatat cctttctgtc ttacggctat 60
 tgagatgatg tctgggatgt ttatatgctg aaatcgctca tggaaaactg ttagagatga 120
 aaggtagagt ttacctatgc ttggaaagcg aaattgctgg gttatgaatg gataaagagc 180
 gacgctttga tggttggaag gtttaatctg gattcttggg caaacggagt tctatagcga 240
 gttaatccta tctcgaaatg tcatttagga cttatgataa agcttggact gtgctagaga 300
 taacatctat gatcaaagtg aaccc 325

<210> 24083
 <211> 227
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24083

tttgctttct tatatnatac taaacgtaat cgagaacgtg ggtgaaagtg tccttcttct 60
 aaagggtgtg acaagcttgc gggaggctag aaatcttggg tatcaaagtg gcaagattta 120
 tgactgctac aacaatgtgg ttttaatggt ctatatataa cccgctgtgc attacaacaa 180
 attaagataa gattatgaat ttgcataga atgaaatccc tctcctt 227

<210> 24084
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24084

tagcttacct cactttccat ccatcgagat tatggataag ctaatgcacg attgttttgg 60
 ttttttgagt ntaaattttg agtatataat taagttaatt gcttgaaggt aaaattgtat 120
 tgtttatagt gtttacatgc agttgaaaca attgtctgat ttaaagaata ctttatgatc 180
 tacaacagga gtgtacatat agatcaattc agatngaatt gttttctaatt tgtattatct 240
 tttgaactga attagttgga ttaaataaca ctgaattggt ttttttaaat aagttcaatt 300
 tgaaataaac ttattttcaa ctgatnttaa aacaagttcg attcaattaa ttaccaaata 360
 tgttttttat a 371

<210> 24085

<211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24085

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 ctagtgggag tgaagatgaa gcaaggggtg aagactctag tgaggaagtc tacctcaatg 120
 aagaaggtga cgtcctaata gttagaaggc tccttggagg ccaaacttgt gatctatccc 180
 aatccccaaa agagaacatc ttttatacaa gatgcaaaat tgtagataaa aattgttctg 240
 tcattgtgga tagtggatct tgttgcaatt tttgtatcac aagattagtt tccaagttga 300
 acctcactat cattntccac caaaacctt ataaccttca atgcctcaat gagcaagtgg 360
 agatgatagt taaccaataa gcacccatt cct 393

<210> 24086
 <211> 287
 <212> DNA
 <213> Glycine max

<400> 24086

agcttgggtt actctgtgtc ggacgggtcct cgcaccgcta tttcatcctc ctgcgtccac 60
 ttttatatat caccctatgt tatggaaagt actggaagag aataagatcc actggtggac 120
 aaaccttcgc ttatgggatg atagtctact cgaccagcaa tctactatct ctctcttgat 180
 tateggacat cagaagagta ccatcttctt catagaaatc ttctgtcaag gcaatatctg 240
 ttggagctta ttgtggagaa tgcattctatt gaccatgagc tcctttt 287

<210> 24087
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 24087

agtttacata tattccccat gtgataatct gaacaagaga gaattatggg aagcactaag 60
 ccagctaaga caccaagatc ctgagggatt atggtgcttc ttcggagatt ttaacagcat 120
 tagacaccag tccgagagag aaggggtggc tcacaggggt atggaagcaa acaacataac 180
 tgatttttagt gaatggctag ccgacctaga ggtagaagaa atacctagtg tggggagaag 240

attcacatgg tttaatccaa acgggactgc aaagagtaaa ctagatagat tttttgtctc 300
tcatgaatgg ctcaacaaat ggccaggctg cacccaattc atcttggatc ggaacttctc 360
ggaccattgt ccataactta tgagagctaa gaacattgg 399

<210> 24088
<211> 381
<212> DNA
<213> Glycine max

<400> 24088

agctttatgt ttttttctcg tctctcaact agcgacgtat tatctcccc ttttctgctt 60
aaaaaccttt gctgagtttg aaattttgcy actatgcgct gagcgcgat ggcactaag 120
cgctagaagt gtctgggtgc taaccaagcc atgggtggcta agtgccattt cgccaggcta 180
taagttctct atgttgcttc tttacgctga gtggacaccc ttccactaat cgacaacaac 240
tcgctaaacg agcctgggtgc gcttatcacg aaccatcagg cttcaacttc gctctttatc 300
attacatgtg tctctgctaa tataaccttc caatagatga ttagtatgga tggacctctg 360
cccaaaaacta gatgccaaat t 381

<210> 24089
<211> 387
<212> DNA
<213> Glycine max

<400> 24089

agcttgtctc agcgtttatg cgagacggag accaatatgc tagctatcat cgccaagtac 60
caagaagagt taggtctagc cgcgggccac gagcatagga ttgaggacga atatgcccac 120
gtatacgcgg aaaaagaggg tagaggaagg gtgatcgact ctttacacca agaggcaacc 180
atgtggatgg atcggtttgc tcttaccttg aacggtagtc aagaacttcc ccgattgtta 240
gccaaggcca aggcgatggc agacacctac tccgcccccg aagagattca tgggcttctc 300
ggctattgtc agcatatgat agacttaatg gccacataa ttagaaattc gtaggaaact 360
tgtatggtct ctcagacctt gactaga 387

<210> 24090
<211> 388

<212> DNA
<213> Glycine max

<400> 24090

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gtgcataatc atgaattggt caagtcatta attggacatc catatgcggg gcgattgact 120
aaagctgaaa aaacacttat tgctgatatg acgaagtcca tggatgaagcc aagaaacatt 180
ctgctaactc tgaaggaaca caatgccaat agatgtacga ctattaaaca gatatacaat 240
gcaagaagtg cattctgttc ttccataaga ggaaacgacg ttgaaatgca acatctgatg 300
taagcttttg aacgtgatca atatatttat tggctcagaa tatttgatga agacgtgggt 360
tgagatatct ttggtatcac cctgattc 388

<210> 24091
<211> 329
<212> DNA
<213> Glycine max

<400> 24091

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tgcacaaacc aaagttgagt atgtaaaaaa attgtatgac caagtgaatg tgcattattgc 120
acagaagaat gaaagctatg ccaagcaagc ccacaagata aggaaggaag tggacttga 180
acccggtgat gatcttgagc atttgaggac aaattgtttc caagaaggag ggaatgatga 240
gaatcctgaa attggccata tacaggctaa aggcccatgt ggagaatggc gaatgcccaa 300
gttgagaacg atcaagcccc cgagtggat 329

<210> 24092
<211> 168
<212> DNA
<213> Glycine max

<400> 24092

ttgctttatc atctgaccac tttcagggag ctggtgctac ctctcattga cttgatgggg 60
cctatgcatg ttgataacct tggaggaaag atgtatgcct aggcattgtc ggatgatctt 120
tccacattta cctggggtaa ctttatgtca gatagatctc acaccttt 168

<210> 24093
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 24093

ttgcttgggt aatcttcacc tgacaaacca atgttgaggt tgagatatcc ccatagtcca 60
 aaatctaaat gatctaagaa atagcacgcc tccaattcga ggactaggag gcctcctaata 120
 cacaaaagaa ctctgtcctt cctatcagat attgacaagg tgccatctta cgtgacctat 180
 cacatcccag ttcaccacc atggtaataa aatatggaat gctttacgtt tccaaaaccc 240
 aatattacat ttgcctattc atctatgggt agtcgaccc atattacatt tgcctatttt 300
 ttctacaagg gtttatttat aacaagctta aaactcagtt acatttatct tgggggtaag 360
 tgttagacta tccacatata tcacatgtt 389

<210> 24094
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 24094

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 tgtctcattc tgagtcocgt cgctcgtatt cttgggtgtg agatagccac ctaccaaaga 120
 attcaaaatg gctccaggaa aaccttgcaa gtcactctct ccctgtattt atgtgtgttt 180
 ctacaattat gctagaggaa tctgaatata ttgtttgaac ttgttacatt atctgggttag 240
 gaaattgaga ccacaataga ggtccatcaa atttgtatga aattgagacc acaatagagg 300
 tccataaatt tctgaactac gcctgcgtgt gtgtattgta ttcatcatac tttctattcc 360
 tccaactctc ttggattg 378

<210> 24095
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 24095

agcctatgca tccggaattc ccggatgagg acatcatggc cttgttcgag gaaaagttgg 60
 acgaagatcg ggacaaatgg actgtatggg ttgacggagc gtcaaacatt ctatgtcatg 120

gcgttggggc agtgttgatc tctccggaca atcaatgtgt acctttcaca gccaggctag 180
gattcgactg caccaacaac atggccgaat atgaagcatg tgccctagcc gtccaggcag 240
caattgactc cgatgtcaaa ctactcaagg tgtacggcga ctcagcgttg gtaatccatc 300
agctgagagg agaatgggaa actagagatc ccaagctgat accctacaaa gcctaca 357

<210> 24096
<211> 297
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24096

agcttctcaa ggaagnantc ttgaganaac tgacttgata agcttctttg agacaacttc 60
cctgagaagc tagagcttat ctacacacac ccttctaaga acttagctcg cctccttgag 120
aagccttctt gagaagagtc ccaaagaagc tagagcctta ttacacacac cctcttatat 180
agctaattctc acccccatgc ttttaattcat gaaatatatt agcaaaagcg cctttaccaa 240
aactacgcca aatgcccaga atactaggct taaaccctat tactactaga ttggcca 297

<210> 24097
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24097

agcttgttat taattcttag taattatggg ggattggaat gaagttgtag ctaaattcta 60
atagaaagct taagaatgga aacataacta gcatggaaat atttttcata tgaaaatatt 120
actaattaaa atgtagaaag gaattaagtc cagctatatg gggcctacta gatatcataa 180
attattgaat aaaattgtaa atttctagcc aaacaagggt aatttataga taataatata 240
tatctttcca tgtattttaa atttagttta atttttctat tgttttgaaa attgggctag 300
acccatccat ccaactagtc aaattgggaa ccaatntatc aacagggtcta ttaatagaac 360
aaaaataaat caatatcaat aagttaat 388

<210> 24098
<211> 391

<212> DNA
<213> Glycine max

<400> 24098

agcttattttc ttcaattcca atgcattgtg atagtcaa at tgctatatct aaagtgacta 60
gcaaaatttt aatgaaaaaa gaagacactt aagagtgaga cataagtcta taagaaattt 120
gattttctcat gttatcattt ctcttgactt tgtcaggtca gaaaataata ttgcggatcc 180
gcttacaaaa ggggttgacgc gtcaacaagt atttgagtcg tcgaggggaa tgagattaaa 240
gcccattatt tagttacaac aatggacacc cgtctccgtg tgattggtga tcccatgaat 300
ggagttcaac gggtaacaac gaaattgttt gttgagtaaa gtacaccaa atgaaatttg 360
gcggagttgt tccgtctctc attcctatga c 391

<210> 24099
<211> 392
<212> DNA
<213> Glycine max

<400> 24099

agcttgaatt atcgttatta acacgatttt ttaatcaatt gagttaatag atcaattatg 60
ttataaaata attaatgtca ttatatataa cactaaattt tttaatgtat atttaatgta 120
catataagtt tacataatat atattgtgac aattaatttt gatctaataa tttttttaca 180
tatataaatt tttattaaac ttgtaattct tatttaaaaa atatattggt aaatcgaaat 240
taattataat aagggtcaaaa acagaaattt atttactata ataattataa aaaactataa 300
ctaaatttat taattttttt aatcttttac taaaaatttt gagtgatata gattgacaat 360
ccgtatacgg attataaatc tatatgttta tt 392

<210> 24100
<211> 390
<212> DNA
<213> Glycine max

<400> 24100

agcttttctt agtccattaa gcatggcaaa aagctctgct cttatgctga gtaccctgag 60
aatcccata tccagttgcc acaatgatct cgaaataaac ctccaaatcc aactcgtoca 120
gggttaccaa atgagctacc atcaatgttg atctttattc tcggtggtgg aggaggctcc 180

cagctaacat gcttgcaagg tctaagtcga acttaatggg gcatagttct acaaatatca 240
 ttgaagagag aatgaatttt acttaatata tgtagagat tccattgttg atctctaaaa 300
 attcctgtat ttctagcctt ccacaaagtg tcgtaagttg ttgcaaatag agtctcgta 360
 tgtcccttaa tgttggaat gagctggta 390

<210> 24101
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 24101

agcttgatg ttataatcat aaagttatca tgagatgcta acaacacact cttttgaata 60
 cactctctac acttgacagaa atttattaaa aatcatgaat ttttatggat ctacttctt 120
 atttaatgag tttctctcct taattttagt tttttaacaa attttaatca ataacaaaat 180
 acgtgttaaa aagagtgtgt tgctaatacct tctcagatta tcataatcaa tttattgggt 240
 acaaacattt ttgtggatca ggtgtggctg gagaagcgtt atgttgggtc acgtcacaca 300
 tctgaatggg tcaatacagc aggaagaaat gtaagacgg ggcttattgc aagtgtcatt 360
 gtgtctcacg taatggattc aaatagcctc atag 394

<210> 24102
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 24102

tagcttgaga ggattgatgg ggacccgggtg ttgagagaaa cgaagatatg ggctacgtgg 60
 gaggtagtga gctcagttgg aggtgggcaa caggggatgg tgggtttatg cgcgcattgt 120
 ggatgaggaa agcttggtgt gcaccatcgc ccgaccgcca cctagtacca catgtgatgg 180
 gtaccccata atcctacaag cttgagatga ggaagtgttg aagggtgaaa cttcctgctt 240
 ttattgttga ccacagagtg gtacctggag atatgtcgcg ggggtcagga gacctgggg 300
 acgttaggtg ggggtgtatt gcccaaaacc aaacttgacc aattccgacc caaccgggc 360
 atattcgggc agtgagaacc tgtgatgtac c 391

<210> 24103
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 24103

agctttgggg ctgaggacct atataacaac accaagggtt tagtttggag ggttttcaga 60
 gaggacaata attctagggg tttagaattc cagtttttac tgttcatgcg cactgttcac 120
 gtagaataaa attcattttc tgaaattccg tttctgcttc aatctacaat ttcattttct 180
 actaattaat ggaaggctaa gtcttcagcg ttgttttctc ttgaggacca aaaatagctc 240
 tctttgaggt tttgttatta ctattgaatt ctgatcaatt tttcctcttc accaattact 300
 atgtattttt tgctattaat ccatgcatgc ttagtgcttg attaattgtc tctgcacata 360
 atttacgttc atgcttaatg atcagtttcg t 391

<210> 24104
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 24104

tgcttttctt tgaatggatg actaaaaggt cggatgtaac tacacatgca accgtgacat 60
 cttacatgga gtggctccat cgctaactca ttgatgattc aaggcgatct gggtcagagt 120
 caccacacga tttgatgtat cgcgccaacc aattccgagc tcgctaattg agagaactat 180
 gtaagtgttg aataggctct aactaaacgt aatggaaaat aagagggacc acctctttat 240
 cgatagcatg taacttactt aagacatggt agcaaatata tatgcatgac cagtgaacat 300
 catgtgattt tatacctaca catagtcac aat 333

<210> 24105
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 24105

tatcttggtt taaccaaaagt ccctaattgt ccgtgtcatg tcggcggtcca acaaaatggt 60
 gctcgatttg atgtccctgt gaataacaac ctggtcccaa ccgtgggtgaa tgtagctaag 120
 cccctctgcc acgtagacaa ggatacgacg gcgttgctcc caccctaaag acttctccga 180

cttatctaaa acccacttgt tgagactccc gttgggcatg taatcataaa ccaacataag 240
 ctgcgtcccc tttctgcacc accctctcat tagaaccaag ttcttgtgct gaagcctacc 300
 catgcttgaa atctctcca tgaattcccg caaccctttg cttgaatagt gggtcacgca 360
 ctttaccgca atttgcgat ggggt 384

<210> 24106
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 24106

ttgcttgaga cttaattgct ttgttcttcc cataagcagt agtcagcagt gcactctcac 60
 ccactctccat tacaagcctt tcttcttctt gaacacacat ggtcattaat tcattgatag 120
 accatttatc tttatgtgtg ttgtaggaaa tcttaaatgg cccatattca tgtggaaggg 180
 tgttcaaaat gaaatgcact atgaaggact cagacatatc aacctctagt ttcttaagtt 240
 gagctgaaat atctcgcat ttcattgatgt actcacgcac acctttcaca ctgggtgagcc 300
 gaagagaaga aaacttcatt atcaaagtgc ttgctaaagt cttatctgaa gtgatgaact 360
 gggcatcaat ggccttaagc aagtctc 387

<210> 24107
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 24107

tatctttgtg gcattccttc gcgtcacttt aaggctttat tggatacaaa cactcattaa 60
 tatgcaggat catgcacgtc gttgtgtact cactagaaca aggtacacgc tgcatatcgc 120
 ataattaatg cagtcaaacc tcgagatggt acgtcataaa agttatgaat gagtgcgag 180
 gattctacat aatcaaatta acataatacg tctaccacat atcacaatc tggattgaca 240
 ttacacatga ttaataaaat catacttatg agtatctggt tgattttatc tgactgttac 300
 gggtaataata cgaggtgatc gaaatgagtg cggattttta ctgac 345

<210> 24108
 <211> 371

<212> DNA
<213> Glycine max

<400> 24108

tagcttagag agattcccga tctgagaggg tactgttccg ttggcaacat atctcatgtc 60
aagatacacc aaatttgaga gattcccaat ctgaggagga atcttcccac ggaatccagt 120
atgagagagg ttgaggtgag tcaaggaagt cattgtccca aggaaagaag gaattgacat 180
accttctcca agaaatctat tgccgctcaa gtccaagtaa ttcaaagtct ttaaatacagc 240
caaacaagga cttatctctc caccaaagct ccatctctgg taagcttccc aatcgaagtg 300
atagttgcca tcatataaag cagaatgtga agtggtgagg tgaagctgaa gaagatggga 360
agtgacgttg t 371

<210> 24109
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24109

agcttttagga cactgaagca taaccagcaa aagtactcat gtatttggcc aagctaaata 60
cccgagtatt attgttccat atcatccaag gtgaactcac tactagaaaa tagactttta 120
acatcgggta ttaactgatg ttgaaactgt caacgttaaa agtctcgacg ttaacatcgg 180
ttttgaaaat cgatgttaag taaattacac aacatcgatt ttgtacaaaa tcgatgtcat 240
atcataaaat attaacaaaa aaataaaaata tgaagaaaac cacatcattn ttttttaaaa 300
tcgatgttgt cagtctaaaa catcgggtttt tcaaaaaatc gatgtttttt tactcacaac 360
atcaatttcc caaccgatgt tatgaatcaa ttttc 395

<210> 24110
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24110

agcttcttat ccaagacaca ttcttggtgg cgaaactcct tctttcatga cttattccct 60
agtagatgaa gtctcctctc acctcttctc ttttatcttt cgctgcatct ccatgataga 120

aaatcacccat tgaaggacct cattgaagct caaagatccc gcctccatag aaacttaaca 180
 aacaagctttt gaaagaaaag tgtctttgtg tgagagtgtt atcatttctt gtaatcattg 240
 agtgagggtac tcgagtttgt agagtgatat actatttggg gtgagttaca atcttgtaat 300
 catttttgtg atagtgaat attttttga gacggttcta tgaacgtang caagaggtgc 360
 cgaaccacgt taaattctct tgtttgttat tattt 395

<210> 24111
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24111

agcttttctt cattctctgg agggagtggg gaaagatggg ttgtactacc ttgctcccag 60
 gtcctttacc agctgggatg acctcaagaa ggtgttcttg gagaaattct tccctgcatc 120
 taggaccatt gccatcagaa aagacatttc aagcatcagg caacttagtg gagaaagctt 180
 gtatgagtac ttggaaagat tcaagaaatt gtgtgcaagc tgtcctcacc accagacttc 240
 tgagcaactc gttcttcaat atttctatgg ggacttanca acatggagag gagtatgaat 300
 gatgctgcca atggtggaac tcttggtgat atgaccactg ctgaggctag gaatttgatt 360
 gagaagatgg cttccaactc ccaacaattc agtgc 395

<210> 24112
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24112

agcttcagtt tgaacacact tgattgcac ttgtgaatcc ttcaaaaaga taacaactac 60
 gaggtgaaaa gccataaaag atgatgagct tcaaatagtt cattttttta gcaagcaata 120
 gtgtaggcta tttcatgaca attttatata tgtaggaga tttgtgtttt taaattgaag 180
 agtatgtgaa ttgtgatatt gcagaaaaga tatgcaagct cgtgtttgac aattgaaaat 240
 taagagtaaa tttttttttg aaaaaatgaa taaacattaa cgaatatctt cttattgggt 300
 tattaccata tagggttatt accatataga actgagctaa ctcatgagat gaagttgagt 360

tcatttccttc ttttaaagtt actgaactat nttatcgag

399

<210> 24113
<211> 393
<212> DNA
<213> Glycine max

<400> 24113

agcttaagaa aattgtttta aatattatTTT aataaaatat tatcaagtta tctgtcagtg 60
catatgtatt ttttgtcaaa ttttttacct ttttataatt ttattgaagt atacaacaat 120
attttaacaa gttgaaataa taatatatcc acattattgt ttcctttaat tactatttaa 180
tcttaaagaa ttttcacacc ttaaactagg acaccatggg ctctcttttt taaaaaaaca 240
tttatgtgct aaaaaagata attttatcac tgtataattt taaatcattt aattatgaat 300
attaaattat tttttatcat tctacttgct tttttataaa aaaattaata ttaaattaaa 360
aaaaattgtg tcaaaatttg ataattaaaa aaa 393

<210> 24114
<211> 336
<212> DNA
<213> Glycine max

<400> 24114

tcttctttcc taggaageta tctagtctag aaagagaagc atgtataaca ctcgttgcaa 60
ctttgatgaa tgaaagtctt atgagataca ctacacagta ccacttctct ctttctctaa 120
ttccttcaat atcctgcgct cctcttgctt ctgtctttac ctccattaaa gcacccctctt 180
caagctactt atccatggaa attttcgggtg gtgaagctcc ttcttccttg gcttatattc 240
tagtggatgg ggcctcccgt atcctcttct cttttccttc cgatgcatct ccatgggtgaa 300
aatcaccat cgaaagacct catttgagct taacca 336

<210> 24115
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24115

agcttcatgg tgaatcaaag gtgattcana ggtgttttga tgataacagt gatgataaca 60
aaagatgatg acaaaggtga tgacaaaaag ctcaaagatc aatcaaagaa caactcaagt 120
aatcaaaga tcaatcaaga acaattcaag agttcaacat aagaatcaag aagaattcaa 180
gactcaagaa gaaagtctag agacaagaat caagatctca agaatcaaga tcaagattca 240
agactcaaga ttcaagaatg aagagaagac tcaatcaaga taagtattaa aaagtttttc 300
anaactttga atagcacatg agtttttgac aaaacccttt accanagagt ttttactctc 360
tggtaatcga ttaccagaat gtcgtaatcg attac 395

<210> 24116
<211> 379
<212> DNA
<213> Glycine max

<400> 24116

ttgcttaagc acgagtaaag tgctacatgc ttaagcgggtg ttttaagggtgc atccttatag 60
tgtatgctta agaaagttat gcaaaatgct ttttttttta aaaaaatggt attccaagtg 120
tgataaaatg aatattgggt catgatatga gtatttatat atagtatgga gttaatttta 180
tgctaataatc atgcacttca cattcatatg acgattttga tgtggagatt gtaaaaattc 240
aaggagttgg atgtcttact atgcttaaca aactattgat ggattcataa gtgtgatgaa 300
tatatgaatg gtttaatttat gatatgagca tttgatgaaa tattgatata atgaatagat 360
aattatattg ataagataa 379

<210> 24117
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24117

agcttctttg agaaaacttc cttgagaagc tagagcttag ttacactcac ccctctcata 60
actaagctca cctccttgag aagcttcctt aagaagattc ctaaagaagc ttgagcttag 120
ctacacatac ctgtctaata gctaagctca cctccttgag atgagaagct agagcttagc 180
tacacacccc ctataatagc taagctcacc cccatgacag aaaacattgt gataccctaa 240
tttcgtccgg ggacctttgc ttgatgacat gcgacctttc tttggtcctt gtgaggtgct 300

tggcatccat cattaggcca tntgtgaaag tccaggacat gccggagaac caaaaaatat 360
 tgatgcacaa tccgtaagt tccgtgacac acc 393

<210> 24118
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 24118

tagctttaaa ataatatatg gcacttttaa ggtgggggtg ggggtggagg aaatagaata 60
 tagacatgca tgcatttaaat ttctactaa gataaagtaa caagctaatac gttgaatcta 120
 tattctgtat agttatgatt accatgtaga aaagcatccc tgccctcccta ttggctctca 180
 ataaaatctg atcatatatac ttgctcagtg ctaaaatcct ctttaattaaa atttcccctt 240
 ttagttatag acagtaaaca gccaaacttg gcacttttgc tgcaattgat ctagacaatg 300
 ccttttggtta ttaaccattt atttaccgtg ctagatatga aacatgtcgt tatgtgggcc 360
 atggctgaac 370

<210> 24119
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24119

tagcttgcca cccagctcgc ccaggcgagc taggttgctc cctccagaag caaccacctt 60
 ctggaggaat attgtggaag gcccaaattg gcctgggtgc tatttgcacc cccattttta 120
 ctaaatacac ccccttgctc ttttttggtg atttttttcc gtaacgttac gaaactttac 180
 gaatttcata acaatgcttg ttttctttcc gtaatgttac gaaaacttat ggattacgta 240
 atcatcncct tttttgcctt ccagaacgtt acgaaactat atggattgcy cactaacact 300
 tccttttaac tttcgcatg tcacggaact tcacggattg tgttacaatg ctttcttttg 360
 acttccggca tgtcacgaaa cttcac 386

<210> 24120
 <211> 344
 <212> DNA

<213> Glycine max

<400> 24120

tagcttgccct caaagagggtc caggaaggac aaggcggccg aaggaactag ttccgctcct 60
gagtatgaca gtcaccgctt tatgagcgct gtacaccagg agcacttcga ggccatcaag 120
ggatggtcgt ttctctggga gcgacgcac cagctcaggg acgacgagta tactgatttc 180
caggaggaaa tagggcgccg gcggtggaca tcaactggta ctcccatggc caagttcgat 240
ccaaaaatag tccttgagtt ttatgccaat gcttggccaa tagaggaggg cgtgcgtgac 300
atgagatcct gagtaagggg tcagtggatc ccgtttgatg ccga 344

<210> 24121

<211> 392

<212> DNA

<213> Glycine max

<400> 24121

agcttgatag gtggaaggag atgtatagaa ggagcacgaa attttgtgcc tcaattgagg 60
tttaaacttt gaagtgtaat tctcaaata tcaaagtta aaaaatgcac acacatgacc 120
tctatttata gcctaagtgt cacagaaaat tggagggaaa tttgaatttc tatttaaatt 180
tcacttgaat ttgaaatcga atttgtggag ccaaatttc actaattatg attagtgaat 240
tttagctatg attcaaccca ctaatccaag atcaagtcca agattctcca ctaagtgtgc 300
ttaagtgtca ggaggcatgt aaagcatgaa ggacatgcac aaagtgtgac tatatgatgt 360
ggcaatgggg tgtagcaagc aaatgctcac ct 392

<210> 24122

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24122

ntcaactgaa tntacaacgc tccaatcaat ttcaaattgg tgtaatcgat tacaatatat 60
tggtaatcga ttatcagtgt gtttgaacgc tgaaattcaa attcaaattgt gaagagtcac 120
atcatttcac aaaaatgctt tgtgtaatca attaccagtg ataagtttta aacaaaaatc 180
aaaagatgta actattccaa tggttttcaa gttttttcta aagggtataa ctcttcta 240

ggttttcttg accagacatg aagagtctat aaaagcaagt ccttaacttg caattttaag 300
aacaattgat tacaatattt tacctccttt gaatctcttt gaacatcctc ttgaatctct 360
tcttcttctg agcgttntat agattaacga aggttagact aattaacgag aaata 415

<210> 24123
<211> 394
<212> DNA
<213> Glycine max

<400> 24123

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccctctcata 60
gctaagctca cctccttgag aagcttcctt aagaagattc ctaaacaagc tagagcttag 120
ctactcacac gtctctaata gctaagttca cctccttgag atgagaagct agagcttagc 180
tacacacccc ctataatagc taagctcacc ccatgacaaa gtacatgaga atacaaaaaa 240
aaaatcctta ctaaaaaaac tactcaaat gcctcgaaat acaaggctaa aaccctatac 300
tactagaatg gccaaaatac aaggagcaaa cgaaggaaaa acctattcta atatttacia 360
agaagagtgg atccaacctt gacccatggg ctca 394

<210> 24124
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24124

tgcaaaccaa atgctcacca ctactagaag agaagttttc aggttgtttc atataaacct 60
cctcctctat atcaccatta agaaaagtca ttttcacatc catttgttgc aactcaaggt 120
caaaatgagc agctcatgcc aagataatac gaagagaata tttcttagat actagacaaa 180
aagtctctct atagtcgatt ccttctttct gagtaaattc cttagcaata agtcttgctt 240
tgtatctctc aaagttgcct aatgaatccc ttttggtctt aaagatccat ttacatccaa 300
tggcctttgc ccatttaggc aactctacaa ggttcacaaac tttgttactc tgcattggaat 360
tcattctcatc cttcatggca ttataccata natntgacac tttaaac 408

<210> 24125

<211> 356
 <212> DNA
 <213> Glycine max

<400> 24125

agctttctcca atgtcatcag atgtctaatt gttaacctct tgaacctctt ctaactcgaa 60
 ggatagaatc cgagtaacag atggatcaaa gcagcaccaa acatgccata acacgtaaat 120
 tcagaaggac aaatgtggcg gataacataa aaggcaccat ctaactaggg cacatttaaa 180
 tagtcaaaca acaatccaga tcctcacggg attagacatt ccatgcagat tttatgactt 240
 gctgctcgat cggccaagtg cacaacctcg aagagatgaa ttaccatatg atctataaac 300
 agctctccac tgatttctgc tgatatgaca gatgggtgat actgagcatc cacatt 356

<210> 24126
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 24126

tgtggattat gaattcacia gtttaaagat tacggttcca taagtttgtc atggtaagtt 60
 tggaaaaaat gaaaaagtgc tgggtacaca agaaattttc tgtgtgcgca aagcaatttc 120
 cctcttacca tatcattctg ggcttattat ggatatgggc ctcaagaaat cgaacccaat 180
 ccaatggttt gaacaaatcc atcattctaa agtttcactt tcttctattg catagtatag 240
 ttaatagtat gactcttctt ccattcttat cggagccacc ctcaatttcc gattcattct 300
 caccgttaaa cccaacccta gccatggata gtctccaagc cacttacaaa gacgaagaag 360
 aagatgacga agacgacca cagccgcaac caccaccaac caccgacgcc gattcactgg 420
 aagccctcc c 431

<210> 24127
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 24127

aatggcgaat ggcgcctgat gcggtatatt ctccttacgc atctgtgcgg tatatcacac 60
 cgcatatggt gcactctcag tacaatctgc tctgatgccg catagataag ccagccccga 120

cacccgccaa cacccgctga cgcgaacccc ttgcgtccgc atacaaataa ccttccatac 180
 tggtcctgta cgcattttta atcact 206

<210> 24128
 <211> 394
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24128

acttagagag agtagagaga gaatatgtaa tttgataggt gcgataaaat ttaatttaaa 60
 tttatgatgt gattaaaaag aagagataaa aagaaataaa aaatatttag tgtgttttaa 120
 ataaatgatac tttcgtgtat cattactctt aaacaattgt tgggcactct tctgcatatg 180
 tatacgtggg aattgatgat agtgaatggg attatatggc atgtgctgca actttatatg 240
 tatccacctt ttctattgtc tctgctttgg ttataagtta tttatgattc tggatcata 300
 aatataaaat aaccaggtgt attgtatggt tgaggaggat aggaagcata tncggtcctt 360
 ctagtacctc tttcattaat atatatatat atat 394

<210> 24129
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24129

ntgaataaaa aaaatatttt gattntacaa tgacaaaaaa tataataaaa ttttacagga 60
 taaatttcaa acattttaat atttaaaaaa tatattttta ccatttttct gtcttgattc 120
 atattttggt gcaagcccca ttttcttgct tcggatcaac cgtcccattg gaactttggt 180
 aaatttatta aattgtggta caagggatta tagtagttaa atgggtgggca cttttgtttg 240
 actcgattta actatagtag ctagctattt gtctaacact aatatttgct tgagtatgac 300
 agcttaggtt atgaattaag acgaatntta ccaaatatgt ggatagttaa ggagcatgac 360
 agtactaaag gccaaacata tataatattg gttagctgac ttccttcacc ttgtatttat 420
 gtacacaa 428

<210> 24130

<211> 374
 <212> DNA
 <213> Glycine max

<400> 24130

```

agtttggatc agtggttatgt gcatggcctt cctcaatttg agaaaggaag actcgtcctc   60
ttctaattgc acaatatttc aggtcaagta aagggttttg agtttcatta atgggggaag   120
tacagacatt cttgttggtg cccttatcaa taatgacctc tttagtttca ctagagctta   180
aagaactaac atcctgttct ttgtggagat gaacaggtaa cacaaaatca cgtatgatag   240
aattgtatct tgatttcctt gacaaagtca atttatttta gaacaaatta cttaccacg   300
ttcacacaat tagcagagta atcaatcaaa tatagcacac aatcactgta tcaccttgaa   360
gacaccacc tctt                                                         374

```

<210> 24131
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24131

```

atggcnagat aaacgcagaa ccacacttct gaactacgag tgctgatcca gcaagtgcaa   60
cgcctcaata tgcgttatct ctgaatccac tactgggtgc tacaatgccg gtctatgcag   120
atgatattat agagacaggg aataatccta cctctgtcaa gtctgtgggt tccaaacgca   180
attacgagtt ctatgtcata gatgagcgag atcttgaaga ctatctaagc attgacgtca   240
cttctcatcc tgaaagcaca taattctcac tcaacctaa tatgaatcaa acatataggg   300
tcatactact gtagatgttc tgagcgttgg atagaataac gaaggttaga ctaattaacg   360
agaaatacgc cagtttagact                                                         380

```

<210> 24132
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 24132

```

tgttttgcct ttatggcttg tacctcatca ctttcttccg aagctttaac ctcattgtct   60
ctcacagtct ttagatttgg gagccaatcc aatccttgtg tccggactct cagccactta   120

```

tgatagccgc cgatgatccc attactgctt cccctaagct ctctgtcctt tcttcacgcc 180
 gcatcccatg ccttgccaac tccttggagt accctcgctg tgaggtcact gaaaccccggt 240
 gcgatgaaag gcgtgatgct ttcgtctgat ggcactcctc tcatggggta gccaagctgc 300
 cttatggcga ggacgggatt atatataata caacctcttg gtacatcagg ggaacatttg 360
 gaca 364

<210> 24133
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24133

ngtacaatgg ccaaacatga tacatgttta ggatttgtat gtttcataga gcaaatggat 60
 gcctcacatt atttccatga cacataggca aaaacgagga tatggaaatg gtatgcaaaa 120
 ctggtgatgc atgcacctat gcgagcagtt aaccgtcgaa ttagtacgga catatgatgc 180
 tgggcgctaa gatttatatg actttatatc caacgaccca ggggtcccgc tatctgatga 240
 tgtataagac cgtgcattca gccgagtgc ttagaggcgc cccgggaaat ttcacagcat 300
 tctccctgga ggggttgaca ca 322

<210> 24134
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24134

tgtttagaaa ctttactggt ggaaacttgg aaaagcaaag taaagaccat aaataatacc 60
 agaccctaaa gcttaattta agaaatagat tctgaaatcc attcaaagaa gacaaaacta 120
 gaatgtgaaa gtccaacaat atatatagat aaaattaccc atctcaactt tgaaaataaa 180
 ttaagaaaat aaaaagagga aactagctga ttttcttgct ttgccacaca agtataaaaa 240
 agcacagaaa caagggtata aatatagaat atataactaa aatgtagcaa tataacttac 300
 aattaaagtg attgctcttg tatcttcac catcattatg ttacatatt gtagatcatt 360
 gtgacaaaaa 370

<210> 24135
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24135

tactagatct tttcaaattt ccgtcattct agcctatctt tctgaagatg acttaagggtt 60
 ctgttttgat aaacttttct aattattact aattgcagaa taaaataaga aggtaacatg 120
 aattgaaatt ctcttataag ttacaatcaa cttatccaaa tcaactaaga aaggaaacag 180
 aggaataaag gaaggacata atctgaataa agccacatgt ttgaatgatc tgctgaagga 240
 aatgcttaga caaatttgaa atagattaaa tttagaaaag ggttttctac attgtaagat 300
 aacttcaatt tgttttcata aacttgagct tcttaaaaat aaaattcagt ctagacctcg 360
 ttgtaataag cctctgctaa aaaanttaca cctagacttg tacttggtgt catttntaaa 420

<210> 24136
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24136

agtttgttct atatcagaag gctagttgct acaaaggcaa tgagttgcta attgaagacg 60
 gtgacaatgc tccactaacc atatatgcca aagcttgctc tgggtcaactt ttcaaacatg 120
 agcttgaaga tttaaagcaa aagggtgagc tcactaatat ggaccggtat gccatgaaga 180
 ggttctaaag actgaaggaa tgtttctcta gtatagaacc tgatgaaaag ttacctgcag 240
 atgcagttca ttatgaaatt gggatgatgt atcaaaccct gaagcacact tgcttctctc 300
 aagaaactct tttcaaacat ggtgngtctg atcatacctt tcatttat 348

<210> 24137
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 24137

taaaatatga attaaaacgt ccagattctg ctgggtatcg attaccatat atgagtcac 60

gattacaccg tgcaaattat gtattcaaat ggtaataact gacgtaaadc agttatagcc 120
 actggtaadc gattacatcc tctggcaatc gattaccata gagtaaattt gttggaaaaa 180
 aaacttttta actttaattt cttggccgaa cccttagctt cttctattgg aattccatac 240
 ctatttaata taccttttct aagactctag aaattggcta gatcatccat cttaaataata 300
 tataatttct ttgtcttaat aaagc 325

<210> 24138
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 24138

tgtttgggct tggaagacat ctgaacagaa ttcatttatt gaagaattct aatggtagca 60
 ccaagtgcaa tttgatttga ctgaaaatga aaatagatac acaatcaaga taattaaaca 120
 gaatatcact agtaagcaga tttatatact tgattataaa atgaccaaaa atccctctat 180
 ttaagtaaca aaactcagaa tgtcaacaaa agcaaaagca gacagaactc aatttcaaata 240
 tagcatagaa atagaggatt taaaagttag gacaataggc tgcagaaacc ttcaaaaatt 300
 atattacatt ctcatgatga atcaaaccctt tgt 333

<210> 24139
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24139

taagatgatg tttctgatag aacagattgg aatcattcat aatgtttctt ttgacatcct 60
 ttttttttct cctttttattg ttgatatgca gtagatttga ctgattcggg aaattatggg 120
 caaccagttg atgataactt gctaacatta gataaagttc acaaagagga tgagggacac 180
 gatccttttg atgactttga aaccaatgca attggaaaca tgcttcctga tgatgaagag 240
 gaccttttag ctggcattat ggatgatttt gacctcagta aattgcccag tcaactggag 300
 gatttggatg aaaatgatct gtttgtcaat ggagggggat ttgagatgga ttttgaaccc 360
 caagagagcc tcaatatcac tatgt 385

<210> 24140

<211> 278
 <212> DNA
 <213> Glycine max

<400> 24140

ttttgcaagc ttctaagaat caagatcaag attcaagaat caagagaaga cttaatcaag 60
 ataagtatga aaagggtttt tcaaaaactg agtagcacat ggatttttct caaaacatgt 120
 ttaccaaaga gtttttactc tctagtaatc aattaccaga ttattgtaat cgattaccag 180
 tagtaaaatg gatttgaaaa agttttcaaa tgaatttaca acgttccaat tgatttcaaa 240
 aagttgtaat cgattacaat gttgtggtaa tcgattac 278

<210> 24141
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 24141

tcaacgtggc accagccaat tggcaatggt gccatattct tccaaggagg ccaatactag 60
 agacattatt gcaaatttac aatgggggggt agaaaatatt gcaacaaaaa aaaatgtttg 120
 tataacctatt attaatcacc tcattggaag aaccattaaa agtgtcatta ataggatttg 180
 attcttgtaa ctgtgattct gaaaggccag tgttctttat tttattgggc taaaaagtag 240
 ctgaggtggt tatatagcac ccgctggaca cttcgcatat aatatacata tatggagaga 300
 gttacgcgtt atcttggtg cggtggagct acttttcttc attcaagtta attaataatt 360
 atattcatga gagaatcttt ttgtttgaat attcgctcat atattcata 409

<210> 24142
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24142

agcttccatc aagatgtag cctcttgagg ctttctttcc tttatcttc tatgggagtg 60
 aggtetaaga tgtgacctat gccttccttc gtaatagtca cgaagttctt cacttaggct 120
 cttgcaagag ttatgactac tataggaggc atatttttct ctttccattt ctttcattat 180
 ttttcttctt tcttctctg ttattttctt tcttccatct tgacttattt attccactct 240

tttttttcct ttttcttttc tctcttggtt ttctttccat aacttgaggg aactcaactc 300
 atctaagatt ctagataaaag ggtctttatg actagtaccc tcgccattaa cactagatga 360
 atgatgactc at 372

<210> 24143
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24143

agttttattc aagacaaaga aatcaaagat attcaagatg gatgatcaag acagtctcta 60
 gagtcttagc aatagaatat aaataggaag ggaattccaa ttgaagtagc aaaaggtttg 120
 gccagaat ttaagttaaa agtcttttt caagagattt actctctggt aatcgattac 180
 gacagctatt aaaatttgaa ttcaaaattt gcattgagta atcgattaca catatatggt 240
 aatcgattac cagcaattat tgaacgtttt aattcaaatt tttaaagcttg taatcgatta 300
 cacacatact gtaatcgatt accagagtag attttcagaa aatattctca atagtcacat 360
 cttntatatt gggtcttgaa tggctatcaa 390

<210> 24144
 <211> 448
 <212> DNA
 <213> Glycine max
 <400> 24144

gacactctga atactcagct tgtaagatta tggggtagcc atcacatgtg gtactttgtg 60
 gcgattgggc gatgggtgcac aacaagtttt ccacatccac aaatcgcgca taaaccacc 120
 atcctctgta gccacctgc aactgaactc acgtactacc acgtagccca tattctcggt 180
 tctctcaaca ccaggtcccc atcaatgctg ccaagctttc ccaacatcca agtgaatcaa 240
 cattcaaaca gcacaaacta tcacagccaa gaaaacaggg caaaggcaga aaactctacc 300
 caaagacacc aacaaaaatc acaacttggt ctacttaaa gacccagtc acatttcctt 360
 cgatecaatt cgttgaccgt tggatcgact cagacattta ctggaagttt ctagacataa 420
 atctacattt tgaccgttgg gatctact 448

<210> 24145
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24145

agaaacttnt tgaaagctaa ttgatttttt cacttgagat gttcgagctt aggtacacac 60
 acccgcttat tatctaagct cactctcttg agaagcttcc ttgagaagat tgctaaagaa 120
 gctagagctt agctacacac acctatctaa tagctaagct gacctccttg agatgagaag 180
 cttagagctta gctgcacatc ccctatgata gcgaagctca ctcttatgac caaatacatg 240
 aaagttcttg aaatgcccta ctacatagac tcttcacaat gcctcaaaat acaaggctaa 300
 aaccttatac tactagaatg ggcaatatac aaagcccaaa caatagacga aaccattctg 360
 atattttacac agatgagcgg gctcttactt aacccatggg cttacaatct ac 412

<210> 24146
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 24146

agttttact ttgtagaagc attctacaca tggattgaat tatgttttta gaaatttaaa 60
 tttttttcct agacttacaa gctctactcc aagcttgatt taaaccaat attctttatc 120
 ttaccaaadc atcgctggct ctaaacaat caactagatt ttttaaaaga tttcacaccg 180
 attaaaaagt atgattatct tacagatgta tatatcactt cacactttta ttatacaaga 240
 tgttttgaga ggactttgta tctttacaag aatttacaag aagctttaca taaaagaatg 300
 acttgatatag atgattcgtg tcttggtttt tcaaagcttc ttctatatat agtcttcac 360
 tcgaagtatc cattgtctct caacggatgg at 392

<210> 24147
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 24147

taggatatag gagagcattc attctcccaa tgcattgtatt accattactc aaatttgtct 60

cactacacca accttattat tttgtactc ttttcagcac atgcactttc tttgatcatg 120
 gtttaccga gcttttattc ttcataataa caagatattc atttatttat tttgaagaag 180
 taatagacat tagtacttgg ctggagttat accatatact ttgacttaca ttagcttgag 240
 ttgtttattc atattcctgc tataaaaaatt cacccaaaaa cactcccca aatttgggac 300
 aaatttgtct ggattcatga tcaatctcct acaaccttat aaaggggagt tagtcaatat 360
 catattcatt aggcttgat tctaatagaca aataatttac attaggcaca acaagg 417

<210> 24148
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24148

agtttgcttc tacaaaaanac atttatgccc ttgtattaat nnccttgacc aaattaggta 60
 aatacctctt cggaaagctc ctttacattg ataaagtcac tgtcacattc tctagtcctg 120
 attttgacac tatgatgcca atttccacta tggagatgtg agtgcagatt gatttcatta 180
 gtgtggtttt tttcattttc ctcacccaa gtattgcctg taaaagtgtg gcgatttagt 240
 tgggtgttct gatttgaagg ttgggtgtgac attcacattc taagtaaggg ttttgttct 300
 aaattacaaa tatgggtgtat gtattttctc tatcacagtc gaataggaat gaagggatga 360
 ctggatttgg ttggtcac 378

<210> 24149
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24149

cttgttntat tcaaatacct aggatcatga gttactaggt ttgtccttct atgactogag 60
 aaacaaaagt gatctaataa caagcagaga tttaaaacgg actagggtgc ctcctagtag 120
 cgcttcttta acgtcttgag ctggacgcgt gatggcttgt cggtcattga cctagtactt 180
 tgcttacctt tggctttgga ctaggtcgcc tattggtcgg ccatgggtcg taagcaacgc 240
 tgtaaccttt ttctggatga gctgatgtga actctagaag tgatggcgga gcgtctgttg 300

cccgtgtcgc gccatcccta agctgctcgg gtgatatgtc ctgcacctgc cttgggacgc 360
 agtacttttc gatgaaagct cggctagtgtg ggggcctgat gacct 405

<210> 24150
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24150

agtttcacaa gaggggatgt tttctaatta gaggagcttt ttctcacatt tttatctccc 60
 attgttactt ttaattaatg gaacttttta tcatgtttat gagttttttg ctttctcttt 120
 cactcctttc aatgatttca cagtttttga atgactgcaa tgggtgcctct gtaccatgga 180
 agctacgtac aggtgcgtgc ctttcaaatt ccaaactctac gtgttttaaatt gttgttacgc 240
 ataatatgca tgtcataccc tatattcgtc tggggactgt cattcattga tgtttttgat 300
 tctcactagc caaattgcat ggtttgacac tagttaccac acaaaatgaa ggatcattca 360
 atgtttttgat c 371

<210> 24151
 <211> 321
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24151

tgagatgacg aagcgtagaa aggggattct tcttgtttnt attcngggac cacagagtgg 60
 tacctggaga tatgtcgcac gggtcacaag accttgggga cgtcacgtgg ggtgctattg 120
 cccaaaacca atcttgacca atcccgaccc aaccctggca taaacagtca gtgagaacct 180
 gtgatgtacc taagcaagct agctcatgtc tgtcgacaga ttaaataaac aaagaccaca 240
 aagcaatgag gcttgtgcgg tggctggcca gctgtgaact ttgagttaat atgggatgtg 300
 gcctctggta atcgactacc a 321

<210> 24152
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 24152

agtttgtggt ttcttatatc tagagcaatc cttttggtga tccagcaaag cttctcatag 60
 agcagcttgt agctagagca gctgattctg cgggttattt tcaacatcta attctaaatt 120
 taatatttatt ttcatcagtg taaatgctta tttgtcgtat actatgatta ttggatagct 180
 aagtaacgct catgcaggtc ttatcatgga agagttgatg aatattccag ctgggaggag 240
 aaggacgtac catgacgacg tgaccgcaat gtgtaatcat gctcgcgatg aatcagcgaa 300
 cttcaaaggc atcaacttgc atataagact tgccacttca taaaaaaaa 348

<210> 24153
 <211> 327
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24153

tgtttgcaaa ccattgattt ggtagaagat tcaaacccta gaagttggtg catgcacacc 60
 tcctcttcaa gaatgccatt acgaagtggg aacccataag tgatagctaa ggagagaaga 120
 agtcttacta ttatggactt gataataggt gagaaagtct ctatataatc aattctatac 180
 tactgatgaa atctcttggg cactaatttg gctttttact ttntgaccga gccatctagg 240
 ttttctttaa ccttgaaaat tgacttacag tcaataggaa ctctattatg gggcaaggga 300
 acaagcaacc aagtgtcatt tttaatc 327

<210> 24154
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24154

aaactcagct gcacaacata tactaaaatg tttttggtca ttataagtac taactaacta 60
 atttccacta atatatacag ttactactcc gaatgaagg atgaaccttg attaggetca 120
 tctaattctac ctaattgaac taattacaca aagccatgcc caaattctca gccaattat 180
 tcaagtgtag ttttgacttc caagcccaat ttgacaaaat tgaagctttc cagggactac 240
 tcacatngag catttggagt tttgtagtat tctataggcc ctacacaagg cagatagggt 300
 aagtaagcat aaaaatccaa aaataagcca caattatcaa ttgagctcaa tcattcttct 360

atgacgaaaa ctaagctaaa gtgagaatat atgggtcaaa gagatgtcta ata 413

<210> 24155
<211> 158
<212> DNA
<213> Glycine max

<400> 24155

agttatgctt gtttagactg atggcgagac tacggactta tacgcgcgag ctccccgact 60
aaccggagcc gggccccgac ttctgagggg cttctccac cttatgacga ctatccccgg 120
ctaggacatg gggtaggaga taccatctt ggaccctt 158

<210> 24156
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24156

taaggttnta ttcttaggag tggacattta taactttcag gaaatctccc aaggacttat 60
actctaacc atagtgat ataccgctaag ctcaccttgg caatctctca aaccataaat 120
aattctcagg tatttttcat ctttgatctt acaattgtga tttcctattc ttttggaatc 180
gttggttgagc aaaaatatac tggaaaagaa gatgcacatg ttgtcacaaa acagaggaaa 240
tcaaggatc ttacaacatt cttgctgtgt aagagaacat tttttgggcc aaaagggtag 300
gaaatcatga tagatggtaa catgtgaatc atactgccga ccaattagat gggtgctagt 360
gtgaattcat tgaattttat tctgtataaa tagccgtctg agaaagtgat ta 412

<210> 24157
<211> 360
<212> DNA
<213> Glycine max

<400> 24157

tgtttgcttg aacagtgaat tgggtgaaaa tgatatgcag tggattgttt tgtatgaaat 60
gagtgtctac gaatgatttg aatgagcaat tgtataattt gaatggattg taatgattag 120
ataattgttt tgatcaagct tntagccatt agaagagaat gagcatgtga ttggaagtat 180

gactaaaaat gttagtcagt ttgtcagatt gatttgtgaag gaatgcattg accatatccc 240
 ggtgagagtg tgatccttaa attttgatag aaacaactat catttagtac tgatttttgc 300
 atgaatctct gaagtatgga ctgaatgtat gaaattgagg atgatgaagg ctatgtttga 360

<210> 24158
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24158

tgccatgcga tagcggagag tttggagagc catctttacc tanggggtggt cacgccaggc 60
 acatcgacac atgagctgat cgaagaatgc cttaggattg ccaggagtgt cacacaagac 120
 gagctagtat atgttagttc ccgatgcagg cagcgcacag atcagtcgta gtttatttgc 180
 acattttata ttgaaatttg atgtatatgt taggattgcc taatctaact taatggatga 240
 tattaggatt gtgatcaact cgctgcctat taaataattt ttgaaaagt gtttttttaa 300
 atatgtttta aaatttaatt attcgttata ctaggtataa ttgtaagcac ctggttgatg 360
 ttctctatat gaatcgatcc aatcatgaat ca 392

<210> 24159
 <211> 333
 <212> DNA
 <213> Glycine max
 <400> 24159

tgttttatcct tatggcttgc ctccggactt cccccccgt gccaccccgg aagatttaag 60
 ccaagcccct actttcgagg ggcaactccc accttatgac gactatcccg ggcaagacga 120
 tgaggaagga gatacccatc ttggccccct gctccacctc aaagatccgt ccccccata 180
 actaccccaa ctgaacataa tccgccatat cccggcctca cccacacccg taaaagaatc 240
 tgttcccttc gcggaagata agggaaagat tgaggcgctt gaagagaggt tacgagcagt 300
 cgagggccct tgcaattacc cattctcgga ttt 333

<210> 24160
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24160

tagccacac tccagacatc ttcttgatgt tccctattgn cagatcatgg acaagtgtct 60
 tgcgaagttg tgaaccaact ctcgagaaga tccaacggtt aatgaaagct gggaagcgtc 120
 ttaccgatg caacttcacg tagctacctc aagaagcttc attaaaatgc ttcctcaaga 180
 agcttccccg tggcttcttt gagaaaacttg ctcatgaaac tacatactta tctatccaca 240
 accttctatt aacttaatta acctccttga aaataattac cgatccaaaa tggcataaca 300
 gattatcaaa catcaaacat aattactaat tagctatcta tatatatata tatatatcgc 360
 ggtgttacaa atgctacctt cataaagggt tttatgtc 398

<210> 24161
 <211> 231
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24161

gaataagcca tggaagaaga agttttcacca ccaagagagt gtcttggata aaaagcttaa 60
 agaggaagct tcaatggagg aagagaatga gaaagagaga gagagagaga gagagagaaa 120
 atgacgtggg aatgaaggaa agataaggag agaagtaaac tttaaaaagt gtgtctcaca 180
 agactctaatt tcatcaaagn tatgacaaag tgtaaatatg tgtctattta t 231

<210> 24162
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24162

gcttaggtnc taggagagca ttcattccata gataaacctt ttctttttca ttcattcact 60
 cccatactt gccttttatt taggcactca acttcatttc attattttgc agcatacaca 120
 cttattaatt tcatttgtac ttacagtttt tctttttgac acaagatata cagaaatagc 180
 gtgtgtatgc tatttacttt gaccatttca attcttacc agtgcttccc ccagatttgg 240
 aacaaattta ccgtgataat tacttcccc aatttgggac aaatttgctt tgaaccacgc 300

ttactatgga tgatgctctc ctacaacctt agccaaagta gcatgagata acactgtata 360
agctcacggt tcaagtcatt aataatacat tcagctcaaa ct 402

<210> 24163
<211> 259
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24163

attttattgg attatgggac attcgncata tgtggaacta ggtggngacc ggccaatggt 60
gcaaatcaac tctctcattt ccacaggcca ggcaaaagca taccatccca gttgcccacc 120
tttaacttga gctcacgcac tctacgtag accttatact cgttcctctc agcaccgggt 180
ccccatcaac ccctccaagc ttctcaata tccaaaaaat tcgatttcat ttaccatgaa 240
actaccctaa accaagaaa 259

<210> 24164
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24164

ctaagcttct atgatgtggc ggggtggggcc tctntggctt gttgtcccat tcgcgggcct 60
tggcctttgt tcttcttttc tgagatatatt ttccttatgt cagcttacgt aggtttatag 120
cctaaccctaa acttcgcgtt gtttcctctg gtgcttacca ggctagttct gccaccgttg 180
ttcttgccca aaccattcc gggctcgtag ccgtacccca acatcaccgc ggccaccatc 240
attgtcgtat cagacaggcg aggctgcccc aagtgggaat ctacggaggc aatgcttact 300
acctcaaaag attggaaaag cgtttccaac gactcctccg cggattccac atatggcata 360
gaggaagggc aacttaccag gacgtcttgc tcacccgata ctatgaccaa atgtccctcc 420
actacgaact 430

<210> 24165
<211> 372
<212> DNA
<213> Glycine max

<400> 24165

agcttccatc aagatgtag cctcttgagg tttctttcc ttgtatcttc tatgggagtg 60
aggcttaaga tgcgacctat gccttccttc gtaatagcca cgaaggcttc cacttacgct 120
cttgcaagag ttatgactac tataggaggc atatttttct cttttcattt ctttcattat 180
ttttcttctt tcttcctctg atattttctt tctttcatct tgacttattt attccactct 240
cttttttctt tttcttttct tctcttggtt ttctttccat aacttgaggg aactcaactc 300
atctaagatt ctagataaag gggctttatg actagtaccc tcgccattaa cactagatga 360
atgatgactc at 372

<210> 24166

<211> 429

<212> DNA

<213> Glycine max

<400> 24166

tagcccacac tccagacatc ttcttgaaga tccattggt cagatcatgg acaagtgtct 60
tgtgaagttg taaaccaaatt ttcgagaaga tccaacggtt aatgaaggct gggaagcgtt 120
tttaccgagg caacttcatt tagcttcctc aagaagcttc attaaaaggc ttcctcaaga 180
agcttccccg tggtctcttt gagaagcttt ctcaagaaac tagattctta tctatccaca 240
accttctatt aactaaatta acctccttga aaataattac ggataaaaaa taacataaca 300
aataatcaaa catcaaactt aattactaat aatatatata tatatatata tatatatcag 360
gggtgttaca atgctaccag cacaagggtt ttcatgtcaa gcaaagacag atttcacaat 420
aaggaatct 429

<210> 24167

<211> 324

<212> DNA

<213> Glycine max

<400> 24167

agcacggaga gcaagcttag agtgagagca cagtgcagag aaaaagcacc atcgaaatgc 60
cataatgcag tttaatagca caaacgataa tgtaactgcc ataggcagtt atgccttatt 120
tttggcagtt ttgaatgcct cgcttaacgt gtcaactcgc taaacgagca tacatgatgt 180

ttaagttttcc aaacacatgc gcttagggggg caaactcact tagcccaatg ccaaaattca 240
 tatgtttccag agtagactttt gggcttagcg cgaagagttg gcttagcaag ttttgcattc 300
 caaattggcc tgcaactctc gctt 324

<210> 24168
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 24168

tgaaggcaaa ctggatgcat tggttaactc ggtaatttag ctggtcttga accataaatc 60
 tgtacctgtt gcaaggggtt gtggcttggt ctctctgtct gaccaccata cagacctttg 120
 cccttccatg cagcaacctg tagcaattga gcagcccgaa gcttatgctg caaatattta 180
 caatagacat cctcaacctc agcatcaaaa tcaaccacag caaaacaatt atgacctctc 240
 cagcaacaga tacaacctg gatggaggaa tcacccta atcagatggt ctagccctca 300
 gcaacaacaa cagcagcctg ctctcttctt tccaaaatgc tgctggccca agcagaccat 360
 acattctctc accaatccaa caacaacaac agctccagaa acagtcaaca gttg 414

<210> 24169
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 24169

ttcagcagct gaagatgcc aataatgcct catcgatcta caatttctca cttccaaatg 60
 ttctatgtaa ctgcaagata ctatggatga tgctaaattt gtcaatttta tacatcgata 120
 aatgactaag cgctctatcc tctgaagaag tgggtcatgc tcgaatccta tctcttctaa 180
 agacaacaaa ctctttaatt ccaactcctt aagttgcata acaacaccta ttttatcacg 240
 tgaaatgagg ctggcaagag cccaaatact tttcaagtga caactcccca atgttaagct 300
 ccttaaattg ggaagtctat gaagaaacca aaagagaatt tcagtattct tcaattcata 360
 caagacaagt ctctgtagtt tgtgcattct gtgaacacta acaatgtatt tctgcaacca 420
 ctctgcttcc t 431

<210> 24170

<211> 326
 <212> DNA
 <213> Glycine max

<400> 24170

agttttttga atttgattgt ggttccaagg tgaattttcg tgcgaggagg atgagacata 60
 acgaaacgcg taggggcgag cattcgcaca tgtgcgcggg ctagtgggcat ctacaataac 120
 gtgtactgac ttacaatgcg ctaggtatatt tgattattca aatcttggag gtgttctctc 180
 atatggacca gtagcgtttt tcttttttct gaattggacc actagctcgt ctctctggtc 240
 taaaataatg atgtttatatt ttgttataga ttatctacat atattatttc atgcataaac 300
 ttataacgca tgcattgcacg ctcatt 326

<210> 24171
 <211> 329
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24171

agtttgagta taattcattc tttngngtgt gagccaacat caaacatttg gattattgat 60
 gtttctgtca caatcaagcc attattaacg ccccatatgg ggtgcaatgt gggccagggt 120
 ttcgttctat agaatatatg gaaatattgc tgttgattct gaataagtga tcatttttct 180
 ttatttcaaa attattgtct cctaatacat cgagtgtcga tcttattatt gggttctcat 240
 atttcaatca tgtcttggtta aactgcttga tatattgtga tgatgatatt tttgttacga 300
 atagagaaag actcactgtt gtaatcaca 329

<210> 24172
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 24172

gtgaatgagg ctgaagaagc tgctgcttat gttcattaag atcagggtga gattaattta 60
 tctcagcctc atttgtcaca agatagtgac atggagttga tggtaaatat ttgtcacaac 120
 aaagtagttt tatctcaacc taatttggtg cagcactcca tttttatata ttacaattat 180
 tcatgtttga catttacatg taggtccctg caactattgt tccaccaata gcaaggaata 240

agctaaccat aacaagagcc aaacaaagga aggttgctga taaagatgat gcagaaaact 300
gaagaagcat tttttgttgc attttgaagg ttgctgaatg ttgctgaaga cccatttttg 360
ttgcgcattt tgaatgttgc tgatgaagaa aactgaag 398

<210> 24173
<211> 116
<212> DNA
<213> Glycine max

<400> 24173

ggcttcccaa cccaaccctg tacttggatc atggcatgtg taacttccac ttcctttagt 60
gtgtgactca atggatccat ctatgggtcac tgcaaagggc aatgccagtc ttaaca 116

<210> 24174
<211> 383
<212> DNA
<213> Glycine max

<400> 24174

tottggtctt taatacgtg caaaattttt gacgtctttg aatgcgtatt tagagcatat 60
ttgtagctca tcaaaaatat gggctcacia attgccccca aaaaatgtct gcttcgatcc 120
gagatcgaag gaagatgaga agttcacatc tttttcttct ctaccacttt tctgaaatg 180
gcgacatgat tgcacgtatt actggtaacc gtcgcctcga tctcccacta cccatcatta 240
attccacttt tctaggcaca aggggacact tgtcacgctg gggagtcgga aaggaaatct 300
gattcgattg aatctcgacc atcgattatt attaaaatgg ctttttcgct taagagtga 360
tactccataa atagcgcaaa gaa 383

<210> 24175
<211> 256
<212> DNA
<213> Glycine max

<400> 24175

tgtgtaacat tctttgtcga gcggtccgat atattacggg actcaatcga tcatccgagt 60
aaaacgttat tgacgttcga atatgtcat agactccgcc ttcaatttag agagtgccga 120
tatattacgg gactcactgg aacatacgag gaaagcctta ttgaccgttg aatctgctta 180

gagcttcggtt attcaatttc aagcgtctgg atatattacc ggtctcagtc ttacatccga 240
gcaaaatggtt attgtc 256

<210> 24176
<211> 287
<212> DNA
<213> Glycine max

<400> 24176
atcttgccgc cacggagttt tccgactatg ctcttggtg gtggaacaag ctacaaaagg 60
agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120
ggaagcggta tgtgccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180
cccaaggcaa caaggggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240
caaattattga agaagatgag gaggtaacta tggctcgatt tcttaat 287

<210> 24177
<211> 343
<212> DNA
<213> Glycine max

<400> 24177
tataatatat tattacgctc gaaattttac atcagtagct ctcgagaaat gcaaatggctc 60
ataacttttc acccggtatgt ccgattatgg cgaatcacat atcgagacgc tcaaaattga 120
acaacggaag ctcttgagaa attctaattg tcataacttt taactcggat gtccgattca 180
ggcgcatcac atatcgaggc gtcgaaaaa gaacaacgga agctctcgag aaattcaaat 240
ggtcataact ttccacactg atgtccgatt caggatcata atatatcaag acgctcgaaa 300
ttgaacatcg gaagctctcg atatagtcaa ttggatcatca ctt 343

<210> 24178
<211> 365
<212> DNA
<213> Glycine max

<400> 24178
tgtttgctct gatgctgaaa aagtaattag cctttgcatt gcaactgata gctcttaaaa 60
cttgatttct gcatcacacc atatttttgt ttatttttgg atatggtggt cgagtcatac 120

tggagaat t t cacttgatgc aacctaatac acatgggatg tagagtcagt tttccacaa 180
aagaacggaa ctgggttgca accttgatg cgtgattgca ttagatatgg aaaggaaacc 240
aatttgaata aaaatacgtc ttgcatcaa atagcataaa aaaaaagtat cacgtatctg 300
taaagatcta tgacaaagat tagtcagaag ttcattagcg caaataaatt caagtatata 360
cttat 365

<210> 24179
<211> 406
<212> DNA
<213> Glycine max

<400> 24179
atgctctctc ctactcagc ctaagcagat aaatttataa gctctccctc ttcctcactt 60
ttctttttcc ttctctcca ttctccattg aaacccaac aaagctcaa cctttggcca 120
tcatttctgc tccaaatcgc gaaaggaagg cattttcggg gtcgtgaagt gcgtggctac 180
gagtgggact tcgaaaattc acgtttgggt ggacttcttt ctctttaat ttcgtgggt 240
atgggggtttg gggagatatg atgggtagtc ttgctagggt tctgctgtgt gatgattatt 300
tgtgaagaca tttgctgaaa gctgggttgaa gatgccatgt ttggatgagt tagacatacc 360
cattctgatt taggggtttt gtgatgatgt ttgagatgtt tatatg 406

<210> 24180
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24180

acgtgagnga ncggcggcan accagaaaca cgaaggagag gaaagagaca cggggnncaa 60
ggcaacaaac cgaggaagag anangaacag ccancaaggg gaggnngggn gagcagcaga 120
aagaaaccaa cccagaacaa aacgnggagc cagacacact cagaacaaaa aaatgcttct 180
tgcttttctc gcatgagatg gaatgctcat cctgcactgt atgcactagt catacagaac 240
atgatagtagc tgcatatatt gagtgcacga cctcttattg cttgaantga tccataatcg 300
actgcttatg acaaataaat gtcttacatg gattttcaat atctcctatg ctacaogact 360

<210> 24181
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24181

ntgatttcct ctgttccgga aacctttctt ttctcatgtg cacccaaacc caatctccgg 60
 gttcgaagac aaccttcttt ctccctttgt tggcttggtt agcatagctt ttacttttcc 120
 tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc ttgcttgac 180
 cttctttatg cttaaaaaca gaaacattag gcaaaagatc aagaggagtt agtggggttaa 240
 aaccataaac aacttcaaaa ggagaacaat tagtggtgct atgaacagct ctattgtaag 300
 caaattcaac atgggggtaaa caagcttccc aagtttttaa gttattcctc aaaactgtcc 360
 taagcaaagt tcccaaagtc ctattaacaa c 391

<210> 24182
 <211> 388
 <212> DNA
 <213> Glycine max

 <400> 24182

agcttgaagg taaactagat gccttggata tcttggtaac ccaactggcc ttgaatcaga 60
 aatttgtaac tgtcgcaaga gtctgtggtt tatgctcttc tgctgaccac catacagact 120
 tttgcccttc catgcaacaa cctggagcaa ttgagtagcc tgaagcttat gctgcaaaca 180
 tttacaatag acctcctcaa cctcagcagc aaaatcaatc acagctgaac aattatgacc 240
 tctccageta cagatacaat cctggatgga ggaatcacc taatctcaga tgggtctaacc 300
 ctcaacaaca acaacagcag cctgctcctt tcttccaaaa tgatgctggc ccaagcagac 360
 catacattcc tccaccaatt caacaact 388

<210> 24183
 <211> 432
 <212> DNA
 <213> Glycine max

 <400> 24183

actcagctca acataaccac ttcggtgct ggaactactt tacatggact tgatggggcc 60
tatgcaagtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
cagatttacc tgggtcaact ttatcagaga gaaatcagac accttgaag tattcaaaga 180
gttgagtcta agacttcaaa gagaaaaaga ctgtgtcatc aagagaatta tgagtgacca 240
tggctgagag ttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300
tgagttctct gcagccatta caccacaaca aaatggcata gttgaaagga aaaacaggac 360
tttgcaagaa gctgctatgg tcatgcttca tgccaaagaa cttacctata atctttgggc 420
tgaagccatg aa 432

<210> 24184
<211> 393
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24184

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
gtggatggcg cctcctctca cctcttctcc tttgtcttcc gctgcatcta catggtgaaa 120
aatcaccatt aaaggacatc attgaagctc aaagatccat cttccataga agccccacaa 180
gcaagcttcc atcaagtggc aatcagagca taagagcttc aagtaggtgc tccttaaacc 240
tccattaatc agagcataag agcttcaagt agcttccctt tggttctctt ggggtcttgt 300
atataactct atgatgnttt tagtgtattt ttgctttaat gtatgcatga gataaatatt 360
tattcatttg atgcacacaa acacctacac ttt 393

<210> 24185
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24185

tcttagtctc acctgatnga attgtggcta cttcatgcac tcctctaata acaatagcat 60
cacttctagc actaaattgc tgggagtttg aagccatctt ctcaattaaa tttctggcct 120
cagcaggggt catgtctcca agggctccac cattggcagc atctatcata cttctctcta 180

tggtgctgag tccttcataa aaatattgga ggagaagctg ctttgaaatc tgggtggtgag 240
ggcaactagc atataatttt ttaaattctct cccagtattc atataagctt tctccactga 300
gttgtctaata gctgaaata tcttttctga tggtcgcggt cctggaagca gggaaattgt 360
tttctaagaa tactctcttg aggtcatccc agctcgtgat ggaccttgga gcaaggtaat 420
at 422

<210> 24186
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24186

agcttttatt tatgaacacc atggacagac cttaatatgt gtggcaacag acatggcaat 60
ggatggcaga tgatatcata ttcaatcata gaaaagaaag tgattntata tattctaaat 120
aaatattggt tgttcataat cattatgttt attattttgc taatcacagg tattcgcctt 180
actgaaaagg aaacaattca tttatgctta actgagattg agaatatgct acaagcaaac 240
agaaggagct tgcgatattt tccatccatg ccatacccaa taggatatgc acganaccaa 300
catcataata atctgatcca taatgaaatg acatatgaca aagaaatggt agcagaacaa 360
tacaacacga cataccaatt gctcacaggt act 393

<210> 24187
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24187

taacaaactn tntttatagt ttgagtttga ttnttttctc taaatttttt taaaaaaact 60
tgaatttgac ctttatagta aacaagtoga gtcgaacatt aaataggcca aaacaaagac 120
atttgacaaa ctgcttgact cattttctat cctaattatg acattaatta catgttataa 180
aagagtcaaa ctttttaatt atattaaatc taatacgaaa aataaggaaa atgaaaaaga 240
attatcattt ttaacacatg tgggtgattaa tttgtatata ccattcaaaa ttctttgtct 300
aaaatggttag ctataattca aatagaaaat taaatnttgt ataactcaca taatgcgtgg 360

atttaagaag ccaccgtatt catcttgcaa agcttgggga agatcccaat aaaaaagagt 420
cacaatatag 429

<210> 24188
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24188

agctttctatg atctccaaac ttgatgcaa tctcctgaaa ttgaatatta tggtagccaa 60
ccatcgcccc ctgttttctt ctactgtgta gtcaccatca atagacaccc ccatgtcgac 120
tcctcttctt atgtcgactc cgattccatg cccacaccta tgccacctac tctcgacccc 180
aagccagcac cactccccat ggtagctacc catggaagct ttgtaatgaa gtcacgcatg 240
ctcgagcatg ccggtccat ctctttccat tgccaacaat tttgtttctc ctctctcaat 300
ttctctccct ctactcctg tgacgaccag aggaatgttc atagtcacag ttgtggaagc 360
aaagctttcc aagtttattn ttgatgatg 389

<210> 24189
<211> 415
<212> DNA
<213> Glycine max

<400> 24189

gttgcaaagc acaaggaagc accaccagat gagtgattta acctgttacc aggttcaa 60
gaaactttta atgattgtat gttagctact tctctatttc acaagaccac cacggtccta 120
cctctacatc gacaagggtt tgcttctac accctcaaaa gattccacac ttatgatcat 180
gatggcctat tcatacttcc acaagtgacg gagcgttgca tagacaaagg caaacaagac 240
atacataaat agcgcaaaat ttgtcatcga aggaaagcaa atgcattgaa gaaaaatata 300
taatttcata gttgcaaagt ctatacaacc aaaatgcagt agtgaagaaa agaataaaat 360
aaacaaaagg caacctaaac ttgggcttca tcaacaccct actcctccct agaac 415

<210> 24190
<211> 385
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24190

agtcttgctt gtggagcttc tatggaggct ggatctttga gcttcaatgg tgattnttca 60

ccatggagat gcagcgggaag gcaaaggaga agaagagatg ggagacacca tccacaaggg 120

aataagccat ggaagaaaaa gcttcaccac caagaatgtg cctcgaataa gaagcttgaa 180

gaggatgctt taatggagga aaagaaagag agaagggagg agcacaaaat tgaaggaata 240

aaagagggag agaagtggaa ctttgaagtg tgtctcataa gactttcatt catcaaagtt 300

acaacaagtg ttacacatgc ttctatntat agattaggta gcttccttga gaagctagag 360

cttagctaca catacctctc taata 385

<210> 24191

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24191

ntagtcttca tgttggtcat gttgttcccc tatctctaac acttcttctt cttcttcttc 60

tgtgaaacta gtttagcatg agggcatata ggcagtttgt gacatatgat tgtaaggatga 120

atacctggca tatcagatga ttggcatgtg aataggtttg tgttcctgcg taggacatca 180

gctatacatt tgtacttatg actggtaagg ttcgtgttaa gctgtgtaca ttgcctaggt 240

ttgggtccga gctatagctt gacaagttcc tcaataggct ntgggcctnt gttaaatagtg 300

tcgtcacgca aatccacatc gaatatgtta tcttgatctc ccatacttgc tttgtaaatt 360

gtcgggggtc ggattgggga cccgtcgtcc acgctcatga cttgactgct accaccagat 420

gtgagataag 430

<210> 24192

<211> 324

<212> DNA

<213> Glycine max

<400> 24192

agttttagg attatggggg acccatcaca tgtggtacta tgtggcggtc ggtcgatggg 60

gcacaacaag tttttcacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccaactga gctcacgtac tcccacgtag cccatatcct cgattctctc aataccgggt 180
ccccatcaat cctcccaagc ttccacaaca tgcaagcaaa acaacattca aacagcacia 240
gctatcacag ccaagcaaaa cagagcatat gcagagaact ctgctcaaca catcatacca 300
aatcacagct gttctcactt aaag 324

<210> 24193
<211> 521
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24193

cccgccacac gagaggaggg cgaagaatgg gtgacgcccc cccccacag cggatagact 60
tgaaccctga acncgngaac naagaaacnc aagcggcaac aacgagaagc angacgcaga 120
gtgtgcacac cttgtngcaa aaccgggcac gagtaacaag ctcaaatgag aaaaagatga 180
agcccaataa ctatcaacag tgaatgagag gagggaggtg agacgctcca agaagaacia 240
cagaactccg acaaagataa cataacgccg acgcgctaaa cgctgacacc aacaaggcca 300
cggaaggacc tgtgtacaca ggcacgttga cgccggtgtc agaacaacac acagcgactc 360
cgacggacta gtgcgcgcag gcactaggaa tcagatgtat gcacgcacac actggtggaa 420
gcgggcgact gcgaggaacc agcgcacact ttgacaacia agacagattg gtgcacaccc 480
acatgttagg aagcccataa agcgcgagta atcaataggg g 521

<210> 24194
<211> 278
<212> DNA
<213> Glycine max
<400> 24194

tggcaatata caaatactac aaggctaaca acatagaata tgaatacttt gctatccgta 60
gggtattcaa aagataataa aactaacgca gagaaacact cgaacacaag gagtgctcac 120
cttgtatgag gcacactcag tatcccttat aaaagcgaga gcagaaatga ctagctgcaa 180
ttctgtgatg cgggagggtc cccatggcgc aagatattac ctagcatatg cgatagcttg 240
taaatcgtgc gcagctgtta ctaactctat gaactctt 278

<210> 24195
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24195

ctgaccatag aacttagacc tcgggaacng agaaactcag ctgcgaggag tgtagcgcg 60
 acatgcgttt aggetgttca tatcttgaa cgagacgacg catagtccac cgtcttaatg 120
 taccatgtta tcgaaagagc gaacgtaaca tgtcgttcac tatcgcattc tgtccatgcc 180
 tacactctta gcgctggatc acctttgcta cccttaactt ccaagccatc aatgcaattg 240
 ttgaactgac agactcctgt gataattgag gctctggcgc aagaagggtt aaatgtgagc 300
 tgtggcctaa ctgaacccca aggtctctct tgtgccatga aggatgtcct gacttatcta 360
 ctcgataatg gacatgcccc tagcttatga tagacttgcg tgtagacgac tcggccgctg 420
 atcccatga agtttgacct tgggtgctgg acatatgggc tgg 463

<210> 24196
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24196

ttcttangga ttcatcagc ttataaacgg ttatttcagg ttaactagta cacaagtcta 60
 aggcacaaat atttggcact tttttgtctg acattatgaa attagtgtg tctaagctta 120
 aaactttggc ttgtaactaa gatagtatta tggactacta gttggattaa gcttacaatg 180
 tataaggata taacagaaga gttattgtgt aacataaatt ttttaaaaaa ggaaattaaa 240
 atatagctct gcgaaatgca aatataccac ctatgtgtct gttcaagaag ctcttcgtc 300
 tttttta 307

<210> 24197
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 24197

tactggcata caaaagttcg agcagttttt atctcttctt gattcagcat catccgcctt 60
ctatctgcca agagaaaaag gagaccaatg aatgtgtaag tcaagatctg ttgacatagt 120
cagtgtacat cagatcaatt tacaacaatg actaaatttt aaaaatattt tgcaaaattt 180
actgctagac tgaaaagttg cattgtacat gcaagttaat gtaaaacaga aacctcaggg 240
tgtgttaggt atgtgttgac attttcagtt gatataattt caataaattt ttcattttta 300
tttcatttca ctgcaaagtc attggagttc tattatggta taattctggt actgtcactg 360
ataatcagat gctgacttca gcaatgagtc acattgccca gctatatata tccgggtctt 420
t 421

<210> 24198
<211> 281
<212> DNA
<213> Glycine max

<400> 24198
agtttcccat gtttataagt tcttactcaa aactgtccta agcaaagttc ccaaagtcct 60
attaacaact tacatttgcc catcggttg agggtgacaa gaggttgaaa ataacaattt 120
agcgcccaac ttgtccaca caatcctcca aacatggctg aggaactcag agcccctatc 180
actaacaatg ctccctggca aaccatggag tctgacaatc tccttgaaaa acaaatcagc 240
cacatgggaa gcatcatcaa tttttttaca tggaataaaa t 281

<210> 24199
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24199

ctatatcaaa ttntagtaat gatccactaa cctagtatta atttaactta atgccactaa 60
cctagggaat taaaagaact taatggctga gtgtaactga aattgtggca accaaaagtc 120
acccccaaca gtcattaagc cagccaccat ttggtttccc aaaaggctga tgccctaggtt 180
gccaatggg cccttattac aacttgaact ataccaaact aaagcccttt tagttgatta 240
acccaaaaca tatttttgggt ctaccaactt tacaaggatt gggtcattat ttagacaaac 300

taaacactttt aaaatcgaga taaagtgggtg ccatctaata ctctccatt tggaccatga 360
tacaactgac aaccttggac ttttctcctt gaaacttgtg cttgtactca aatagtatgg 420
a 421

<210> 24200
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24200

agtcttttga gaaagcttct taatgaagct tctagagaaa gctacatgaa gctgccttgg 60
taaaaaccct gtcaggcctt tgttagccgt tggatcttct cgacatttgg tttgcaactt 120
tacaagacac ttgtccatga tctgaccgtt gggatctttg agaagatggt tggagtgtgc 180
tagaagcatc cgttcccgag agcatctctt atttaagcat ttcacccctt gcttttgtgt 240
agctgaggaa aaacatcatt tcttcttctt tctttcttcc aaagccatnt ctaaagttcc 300
aagaactttc tccatcacac ac 322

<210> 24201
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24201

tgcctatccg atgcagcagt aatgatggcc cgagttatgt tgtgggaacg gttacgaacc 60
cggaatgggt ttaggcaaag acaacggcgg cataactagc ctgataaatg ccaaaggaaa 120
tcgtgggaag tgtggtttag gctataaacc cactcaggca gatataaaga gaagcatcgc 180
gggaaggaag aacggtggtc aaagctcgcg attgagacaa gaaagtgaag gaagcccgcc 240
ctgccacata agtagaagct ttataaacgc gggctctggga gacgaatgtc aagtggctgc 300
gatatacaaa gatgatgttc cgagtacatt ggatttggta cgaccatgcc ctntctgattt 360
ccagctggga aattggcgag tggaggaacg ccccggcatt tacgcaacga gca 413

<210> 24202
<211> 526
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24202

tgencgttga aaccttgaga actcanggtt gatccctttg agngccctcg actatctata 60
ggagcgaatt acagcgtcgg taccgcgcgag atctctatca agtnogatcc tgcagtgtat 120
gcagagcata tcatcagggtg actaacatcg tgccactcat tatacctata gatgtcctgc 180
tcgacgaagg agtgagcggt gtgaccatgt atctcatcaa tgtgcaagaa actataatgt 240
ctcataaatc agaacatgct tcaagactca gcgatgattc aaagattcac cgatagacag 300
aatgcacatg atatcacccg tctatggaat gctcagaatg atcaaaaggt ataaaacgat 360
gcctaactat atctatgaaa tgctctatct atctcatgat ccacggagtg tcagccagat 420
ggatcgccctc tagtcataca ctacatgtct catgcacaca actaagtgac ttgtcatggt 480
aataaatgtg gatgattgaa ctaccactac cctcaagggt atcccn 526

<210> 24203

<211> 412

<212> DNA

<213> Glycine max

<400> 24203

tcacaacctc tgacattggt ctaggcaacc agattttcca aacttttagga ggaaaagttc 60
agcgacttct gccgtttgtt tcgcgataag cgcgcctccc cctccgtctt agcatcgtct 120
tatgtccttc cctccactca gagcgcttca tcacctttgc tacctttccc tccaagcca 180
ccattgattc ctttcaaagt actgtctccc gagaagttag cgactcacag tgagaagggt 240
atctatttca actgtgacga gaagttccgt caaggtcaca aatgtgcctc caaggtcttc 300
ttgttgatcg tcgaggaaga tgatgatgcg taggagtatc acaacctttc gggcaagagg 360
actcgccacc cgaccacag gaggttttca cctcaacccc agcccaaatac ag 412

<210> 24204

<211> 319

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24204

agtttacatc tgaaatgtaa aaaatcactt ttgaaatgtg aaatcaaacg tattaagtac 60
taatttgcta ccttcgtaca taagttttat ctaaattcca acctcttttt ctgcgattat 120
ttggattgca tgtgatattt ctagcattca tgcagtcaac taatcagaat tgttggatga 180
taattagatg gctcatttta tcttgatgaa ttaatccaac ataaaacatg catctgagat 240
gtgaataact agatgtacga aggtagcana ttagatgata attagatgcc tcattatata 300
gtcccgattt catccaatg 319

<210> 24205
<211> 415
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24205

tgttagagat tgctgaaaat tgtgggagat tntggtttgg attacaagcc tacaagtgca 60
gataaaaaga ggattacttt ggaaaggaaa gagaaatgct tagctcgttt acaagggcga 120
gaactgcggg tagagagggg ccttatctac cacatcaatg agagctttgt gagtgcaggg 180
tggatgtacg aagattaggt tgctatgctg gatgaagata ccatcagga tcagccgaat 240
tgggtgcagc catgtccccc agactttgaa ttgaaaaatt ggcagatcat agagcaaccg 300
gagatttatg tttttaattt gatgtaatta aacaatttag gatcctatta ctatgcgtaa 360
ggcttgagga ttcacatatt gtcaagcgta ctttcctttt caattccaat gatcg 415

<210> 24206
<211> 337
<212> DNA
<213> Glycine max
<400> 24206

agcttcaaca ttcaatttcg agcgtctcga tatattacga gactcaatca gacatcagag 60
aaaaacgtta ttgtcgtttg aatttgctca gagcttcaac attcaatttc gagcatctcg 120
atatgttacg ggactcaatc agacatccga gaaaaaagtt attgtcgttt gaattagctc 180
agaagttcaa cattcaattt cgagcgtctc gatatgttac gggactcaat catacattcg 240
agaaaaaagt tattgtcggt tgaatttgct cagagggttca acattcaatt tcgagcgtct 300
cgatatgtta ccgggcttaa tcagacatcc gagtaaa 337

<210> 24207
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 24207

tggaatgcact aaattatcat aataaaagac tgacccttat atacatagag cattccgcat 60
 gtctccagaa gttgcagcta ctttctgcaa agtgcagttc taattacgct ttacatggta 120
 tatatattca agatgaatta caatagcact ttcttaagct cctcttttca ttaatttatt 180
 taaaacataa taaaatggga cttgatgcac cttacatgag aataaaaatg attgcaaagc 240
 attatTTTTT caaatatata aatggactca ccctagcaca tagttccagg gctagctgtt 300
 ggaaaacact gtaaggaaat tcctggtgat gaaacacaag gatattaaca ataatcatca 360
 acaagaagaa atgcaacatt tggtctacat tctttatgcc acgaagtcag taaactatTT 420
 aacaaagcat c 431

<210> 24208
 <211> 483
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24208

tgccccgtgc agtgcagcct tgaaanncn nttgatgcct tgacgctcta cggcgaattc 60
 aactcgctac ctgggatccc tcatattgtc ctgcaaacat gcaattgttt cgtatgagaa 120
 gcctcgcaact ccaccacca ggcctaatat tggtagctat accaaaccgc gcatttttagg 180
 ccctaccata ctctcttagt gcctcatatc cctcatccat gacgaaagat caagaagcag 240
 atacctcaact aatgttagaa atagttcttc ataaggcaaa aatctatggt gtaatggacc 300
 acctgctcat cgtactcgat tacacaattt gaccgacgct agcaaagtta tgtctcgctt 360
 tgcgttaatc aaatacaacc ttatcataac tgagtaagac gaacctaccc cccaacggca 420
 ttgtcaagcc ccattcacng gtatncttcc ttataacaaa tgcccaacat cccccctcc 480
 ccg 483

<210> 24209

<211> 471
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24209

acacgtagct ccgattactc cattgaaatc tttagactc tacnaaactc aatgctagca 60
 taatacatgt taatgatgta catctacaaa atttttagcgt gtattttatc acccgacgcg 120
 atatgcaaca gtattgatat cgggatctca tcttcatgac actcggttact gatgcaacaa 180
 ataccttact ctattttggc taaaaataat agggcggtact acgtgacctc ggctcgtaga 240
 ctgcgctctga tatctaaata gcattatatt ctaccgctgt catgctaccc ttagaattcg 300
 aggagaaacc ttacctaga tagatacttg gctcggaaaa ttagaggctt acacgtattc 360
 actgcaaaat cgcattcact gtccgacatg aaatccagac attgctaaga agaatttct 420
 ttttacaaga ctcatactca tgcctctcctt ctgttcaaaa tctgtaatat t 471

<210> 24210
 <211> 467
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24210

ggagcgtaan ctgatgcatg aacactctgg gtagtncagt gagacctcga gaacctctag 60
 agncgacctg ctggcacgcg ggcttctatg agttctacct cgtgcagcta ttttctgccg 120
 aacggaagaa cccttctgta ctgtgaaaga tgacgatata agcactgact tgccccatcc 180
 tcaataagaa tatgcacaga tcccactcgt tctctagcag tattggattg aatggatgat 240
 cagtgcaga gatgccttct cccatcatga gggtagagcaa gacgagcaaa ggtatactta 300
 gttggatgaa gacagccaat cgtacataat gcgataggca tgtgaataac ctgatgtacg 360
 attgtcgtc acgatgttga aagcgacagg cctggctaata gacacgcatt cactccaatg 420
 gcctcgcgat ctgacagggc ccatgcctcg agattatgcc gtacaan 467

<210> 24211
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 24211

tctgaattct gtgggtcaaga gatngaagtg tgtgggtcat tccaattata ttctgaccat 60
tgactttgct gactttaatt aatcggtctt ttatcatatt ttgggcaatt gttaattata 120
tattgttgcg atactaaggg tacctcggtc agcaattctt tctccctaaa agtatccctt 180
gtatgaaaac gaaattttgg aatacatttt gattttcgct acaaaacaaa ggacgaccga 240
caccaacaaa ggttgaaata atgaaaccac agttgcttgc tgaagaagat aagcttcaaa 300
tctttgaagc ctgttctgta ttattttatt acattttcag acaactaggt catct 355

<210> 24212
<211> 332
<212> DNA
<213> Glycine max

<400> 24212
atctttgata taaagcattc tatttggtat gatcctactt caaacaatgg aattactgat 60
gtttttgtca caatcaagtt attgtcaaca tctccatatt gttgtacatt gcgatcatgt 120
tttcgtttct agaattcatt tgaaatgcat gttgctaatt ctaaataagt gatccttctt 180
gatttaaaac ttaccgtctc ctaatcattt aagtgtacat tttgttatgg gctgctcatc 240
ttccaatcat gtctagttaa actgcttgat aatctatctc gttgttactt ctactaccaa 300
tagagagaga cttcattctt gtctatcacg tt 332

<210> 24213
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24213

gaaactcaag canggagagg atgcttcaat ggatgaaaag aaagagggtt gatactgtgt 60
gagggggggag cagcacatcg aacgaagaga ttagggagag aacttgaact ttgagttgtg 120
tctcacaaga ctctcattca tcaaagtgc aactagtgtt acacatgctt ctattcatag 180
actaagtagc ttcttgaca agctttcttg agacaacttc cttgagaagc tactttgaca 240
aaacttcctt gagaagctag agcttagcta cacacacccc tctcataact aagctcacct 300

ccttgagaag ttttcttatg aagattccta tagaatctat agcttagctt cactaaatga 360
acgcactata aaattatgta taattgtcga tatacaaaac aagttatact tattatatgt 420
gaaacacaaa ctactattaa t 441

<210> 24214
<211> 314
<212> DNA
<213> Glycine max

<400> 24214

agtttatcct tatggctagc ctatgcactt cacacctcca tgccatcctg gaagatgtat 60
gccaaagcccc tactatcgag gggcaactcc caccttacga caactatccc gggcaagact 120
atgaggaaaag agatacccat cttggccccc tgttccacct caaagatcca tccccacatg 180
aactacccca actgaacata gttcggcata tccaggcctc acccacaccc gtaaaagaat 240
ctgttcctta cgctgaagat aacggaaaga ttgaggcgct tgaagagatg gtaacagcat 300
gccagggcct tggc 314

<210> 24215
<211> 228
<212> DNA
<213> Glycine max

<400> 24215

agctcggaga aaaacttgaa gtttttttgt attttacatg ctogaatccc ttgaagagca 60
ttattattgg atgctatatt aaatgtagca tcttagtcca tatcatatct ttagtgcac 120
atgcattact atgagtaaga catagcagaa gtttctatgt tagaaatgat tcttcagaac 180
gcacaaatct atgtttaaat ggatcacaag cttatcgtaa tcgattac 228

<210> 24216
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24216

tgaacaacta tcttgtatga gtccctcatgg ctcgtttatn ttactngggc nngcagngca 60
acgatgctgg ccgtagaggt ggtgaacgac ctgtacttca gaacatcgtc ccttacctat 120

tcaaagccaa caatgacagg ggggacgatg gcgacccaac actatggcta cgacgcacgt 180
 gtagggacgc cataacatcc ctaccacttc tccttgetcc cccagaaata caaggagggt 240
 gaatcacagt gaccgagata ggttcctcgg ctatggaagc agtatgaggc tgcgctcttt 300
 tgcgaatgcy agaaatgcag tcaccattac cacatgaaat cctcaacctc tcataggaag 360
 aag 363

<210> 24217
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24217

atcttattat gtttactatn caaaaatcaa tgccccaac ctatcataaa taattgactc 60
 aactattatt ggattgcgaa aaagctcgga taaacatcaa actaaaacat tttttaatga 120
 attgaatttt aaaattatta tatataatct taacaagtcc ttgtttcaat taactctaaa 180
 ttttgataca ccatatgaat aacgattatg tgtcccaact gaaacatttt ttttatagtt 240
 tcctcctcat gttaaaaagt attatcctaa atttacttat atctaactaa aacaaatact 300
 catcatt 307

<210> 24218
 <211> 193
 <212> DNA
 <213> Glycine max

<400> 24218

aactcagctt gagtagaggg cctaaagatt ttgaattttg aattggcctg aaggaatgag 60
 atggactgcy ggatcagtct atgaacagat tcctattcga gtattctctt tgccaagaca 120
 ccagctggaa tccgctgtcc atcaaacatg tagcaaatcc tcaccctctc ttgttcttcc 180
 aggaaaaaaaa tga 193

<210> 24219
 <211> 168
 <212> DNA
 <213> Glycine max

<400> 24219

agtctctcat gtctggctca tcgagcggga gaagctactt attccatggg acaccctta 60
gaggaaggca cctcctcata cctgtacaac tttgtcttgc actggatgtc catggtggaa 120
ctgcaccatt aaaggagctc acggcagctc aaagagccat cctacata 168

<210> 24220

<211> 153

<212> DNA

<213> Glycine max

<400> 24220

ccggcagtta tgccatthttg aaaacactac agcctatgac ctactacaga tagtatattt 60
gcggaaggac actatgttat gcttgctgcg taaatgccgg ggcgttcttc cactcaccaa 120
tttcccatct ggaaggtgat gagagcacgg tcg 153

<210> 24221

<211> 149

<212> DNA

<213> Glycine max

<400> 24221

gtgcagaaga aaatgagaaa tgccacatta caccgttttt ttttttcaca catctcgaaa 60
agagatgaga gctctagggg gaatgtactt catgtaaaat gtgtcatatc agctattgat 120
attgtaatca tcgccttgct gaagaattt 149

<210> 24222

<211> 367

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24222

tgaagaaagt ttgtctttca tatgaccatt tctnttagtg acattngtat tgattgctgt 60
attgatagtt gaatcttact ctctatattt tcatatgtac accatgcatc attatgtaga 120
agaaataaga tgtgtttctaa agttagaaac ttctttacca cattaaactc tatgttttaa 180
ttgattacca agcttatcgt aatcaattac acaagtgttt atagccggca gagagattct 240
agttgaggtt taatcgatta catagttagg ttgagacaac gactggattt tcatgagtct 300

atgctttaat cgattatcat ataatcggaa gcgattactt ctttggtaaa agtgtctcta 360
gaagtga 367

<210> 24223
<211> 317
<212> DNA
<213> Glycine max

<400> 24223

ttatgcaatc tagtattttt gagctcgatc ggtcatctat cctggccgac gccgactgtc 60
atttatttcg atcaatatcg gtgaataata tttttttgcc gaggtgggct aatgttttcc 120
tggccgaata aatgggaaca cgccagtttc ggccgaaaca aaacatcggg tgagctcgca 180
cgaaaaaacc tagccgacct acattgtaag ttttttatgc aacaccgaca aaaacaaaac 240
tttcctgtc ataagaaaaa acattatcgg ccagcgagcg tttttttaa aaaaaaatgg 300
gcaatgtcgg ctgaaaa 317

<210> 24224
<211> 398
<212> DNA
<213> Glycine max

<400> 24224

aagcttgagc cactaaacga cattaacgtt ttctcttatg tctgatcgag tcccgttaaca 60
tatcgagacg ctcgacattg aacgttgaag ctctgagcca atacaaacga ccataacttt 120
tttctcagat gtctgattga gtcccgtaac atatcgagac gtcgaaatt gaatgttgaa 180
tctctgagca aattcaaacg acattaactt ttactcgga tgtctgattg agccccgtaa 240
catatcgaga ctctcgaaat tgaatgttga acctctgtgc aaattcaaac gacaataact 300
tttctctcgg atgtctgatt gagtcccgta acttatcgag acgctcgaaa ttgaacgttg 360
aagctctgag ccaatacaaa cgaccattac tttttact 398

<210> 24225
<211> 386
<212> DNA
<213> Glycine max

<400> 24225

agtttatgag gatgaaactg agttgaatgt tatcttggtg aaattgtgaa aaaattggaa 60
 gtcatagaagc tgttaaaaact tataatgtac ttaataactc tgtagttaac tacagatttt 120
 gtagtacttc cttgaaaacc acattgggtg ttgtatttag tggttttcct tctttatcat 180
 gaataagaat tttcaatcta gtttttctct gaactcttga cacaacgaca ccagaaactt 240
 gttagacttt tgacaagcat accaattgtc agtgcattgt acacatttat aaaaagagtt 300
 tgtctccaca aggacttgag ttacttgact catttgata aagggtatca gttcaatagt 360
 tatgtacaaa tttaatcaaa tgatcat 386

<210> 24226
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 24226
 atctgctagt gtgtgtgcat gggcaatcaa ttgtctgtac tttagaatat gcttcatcgg 60
 aggctgcca acaatgcttc aagttctgtg taacaagcaa ttcaaagttt caaattgcgg 120
 ttcgctttta actgctacca atgcaatatg taatcacctg caaatacagt tgctgctgca 180
 tctactgcaa taagaatggt gtggccatag cagattaaat gtcaggcaac attagtgtgt 240
 tttaatcaat gaaaatgatt atttactaac gacagaacct tttttttagg aatcaaacca 300
 atgaacctaa tgcatagaaa aacagatttt gtcattgtat atgcctgtta acttgcttat 360
 atagacgcac catgaacact tt 382

<210> 24227
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24227

agtttatgag tcaactggct attatgtttg agcatctgaa ctcatggaat actgatgaag 60
 agttccaaaa caagaagaga accaggtgtc aaccatgtcc agcttatctc ttgaatttga 120
 gttgcccccg atctttgtat gatttggcct ttgagccatc aaaaactgtt aaatttaagg 180
 tatagctttt cttggcttcc cttttcatga cttattttat cttttcagta catcaatgag 240

gcgagactgc attcttgttt ccataaatga tttttgtagg gttttggtct agattcangc 300
 ttttatgtta tacatcacgt actctgggtg gtgtaaattt atattaactc caagaagcaa 360
 taatgatcag agattttgtt tcccatatt 389

<210> 24228
 <211> 383
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24228

acacctgaaa ctaagcatgt aactaagttg agttgtaaat taatgctttt ggatttttcg 60
 catgataaag ngaaacccaa ttttgaagta atatttacgg cttacattca agtggcttat 120
 caaaagaata gtgattatct agacaatttc gaataaaaga ttaatgtttt gcaaaaatat 180
 attttaatgg tttcggctct gatcatcaaa gaacaatgtt aaaactaaaa cttgtaatca 240
 aatacaatct atgaacacaa aatcagagtt cttgtgagaa tgagtgatat gactagtcac 300
 ggggtgaactt aatgttcttc ttttaatgcg ataaccttaa ttaaactaga tatttatgta 360
 atttttataa atgtctaatt ata 383

<210> 24229
 <211> 358
 <212> DNA
 <213> Glycine max
 <400> 24229

agttttgtcc tcagatccct cttgttggac ttacttaga ccaaacaaca ttattgtaac 60
 atcatactta acaccatgac ttaatccgca gatccctctt gtaagactaa gtttcaattc 120
 tgcttcattc aagttctaata gcaacaatac acttgccaat gttaaaatca cctaactagg 180
 cacacagatg gttgattaga ccaagagcat acaaaattta agcactgaaa gaagcattga 240
 acacaagaaa cacaatcaat tagatatgaa aataattaca ttagttgttc attagaaatg 300
 cccaacaagg gtgttttagcc agccattaca gaagataccc taacaatgat gagcttac 358

<210> 24230
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 24230

tctcatgtaa gatcctgagt accttctgga gtaggttatc cttactgctg attcgagctt 60
tctgttatga actaagacta agctactcta ctaaactaca ctaatgggta tcttcataat 120
tcttctatgt gccttttcat tcattgcttc atatttatag gcttacattg ctattgatac 180
ttaacaaact aacaattctg ttgtaacaga attgaaggag cactatggct atcccctaac 240
aaaatagtgg gcttagtgca attccttatt ggtctggtag ttgctaggct gctattgcta 300
tcaataccca ccactagaaa accaaccttg tccttaaggt tgagcaataa aaacaagctg 360
aaacaggtgg tgggtttaga aaaataagag aggtacatga gtcaagttgc ttttgtttgc 420
gggctt 426

<210> 24231

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24231

tgtctgacct gtgtgcttag cgtgttcata attntttggg gtttatgggt ttttgatgaa 60
ctctctaagc ctgacctatg tgcttagcga gttcatgcct ttcttagaat atttgctggg 120
ttttgatgaa ctgctaagc ctgaccttg cgcttgcaa gtttctgaat tttcttcgta 180
atTTTTTggT gttctagatg aacttgctaa gcctaaccg tgtgcatagt gagttcatga 240
tttttcttca tattttctag gttttttata aactcactaa gcccgacctt gcgcttagcg 300
agttctttca tgtgttcata gtctctaggt tntttgtgtt ttagtgctg agttaagcgt 360
gtcaagtcgt gctaagcccc aatgcctttt tg 392

<210> 24232

<211> 412

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24232

ttgaccaaac ccncagcagc agttggttcc ttagattttg cctttaccct tgnncctgag 60
actgaggata attgcattgc gtgccttctg cagtaatgtt ttcttatccc catcagccat 120

catcttttca agtttgggtt ctccatctag tgcttccacc aagccctggt ggacaagaag 180
agctctcatc ttcaattgcc atagcccgaa atcattttgc cctgtgaatt cttcaacctc 240
gtacttgggc gagcccatct ctagaatcga actcaaaaaa tcgctccacg ctcaccacac 300
caatttgttg taccaagatc aaatcgtact tcacaaaaga atgagtttct tgtatgaaca 360
agaataagca caatgcagaa aagaaaaaaa aatgaacgaa cactgcactg tg 412

<210> 24233
<211> 386
<212> DNA
<213> Glycine max

<400> 24233

agtctttatc tagccaagat tattcttagg tgttacaaga gaacctaacg gtttctaatt 60
atatgggcca tcaaattctat catgtgttga cagtaattga ttagcccatg aatctcctcg 120
ggggccgtac acacttcggc catggctttt gctttggcta atagacgcgg gaggtcttga 180
cttccattca aggtcaaggc gaacctatcc atccacatag tcacttcttg atgcaatgca 240
tcaatcacc cccctcttgc ttcttttttg gcatacactt gtgcaaaatc ctccgctagc 300
ttttgttcat gggtcacaga ctgggttcaac tcttcttctg atttccctat gatagctagc 360
atgctttgct ccatggcttc caagtg 386

<210> 24234
<211> 427
<212> DNA
<213> Glycine max

<400> 24234

aactcaagct tctctcaaat gagatgacaa tcaatctcta tatgctttgt cctcttatgg 60
aagactgggt ttgaggcaat ataaagagca acctgattat cacaatacaa cttcatttgc 120
aactcttcac aaaaccttaa ttcttgaaga aattgtttga tccacatgag ctcacatgta 180
accatagcca tagatcgata ctgagttctt gactggacc gagcgacaac agtttgtttc 240
ttgcttttcc aagagattag atttctcca atgaagacac aataacctga tgtaaattctc 300
ctatccatgg gacatccaac ccaatcaaca tcacaatatc ctgatagtgt cgtactaccc 360
ttggcttcat acaacaacc ttgtccacga gctttcttaa catacctcag aatacgcatg 420

acaacat

427

<210> 24235
<211> 370
<212> DNA
<213> Glycine max

<400> 24235

tgtttgtgca cactatcatc tctaataatt tagcgaatat tattagagaa caaaattatg 60
actttgtcaa cattcacttt ttggtctgaa ctggtacaga aaatgtctag tattttcttt 120
atggcattag tttgctccaa gtttattttt gcaaaaagta aaagatcatc taciaaggca 180
aggtaagaaa ttaatatcaa gggatataat aaaaaaatat caagggatgc aaagaaatta 240
atgtgaataa aacctaatc aagggattgg ttgagtgaag taaaacaaca tcttggatgt 300
gacaaattgt aagtttgaat tttcgtacat ctcttttttt ctttttttgc ttctttcgtt 360
catctctttg 370

<210> 24236
<211> 518
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24236

ccgcccgcac ccncacacca agactcgaaa taggaaaata ctcaccctcc ccccccccc 60
acagaggggg ataacctgag acctagaanc aggacacaag aaacncaacg nncaaagnnc 120
cacaacacac acaaatatgg cagatgtgga cgacaacaag ggcaacggaa aggcccaaca 180
gcatacatga acaacgcaca cgaaggggcg ccaaggggtga ggacacacaa ccgcactcca 240
aacccttggc acagacacaa gcaaccacga cagccccagc cgcaacgcaa acacggaggc 300
ccaagcgcca aagacaccac acagacgagt gacgatacat cccccacaa caggaagaac 360
gcgaaaggac aacacggcga cacacaacaa gagcgaaagg gcgcgaacaa gaggccacac 420
acacgcaagc ccgatcgaga agacacgcaa aaacgacaca aaaagaccac acgacaagca 480
ggagaagaac aacacaacga ccagacaggc gaagagcg 518

<210> 24237

<211> 375
 <212> DNA
 <213> Glycine max

<400> 24237

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agtttatccc tcaattttct ataaataggg ggagaagtga agtagaaaag ggttcagccc 60
cttacgcact tctatctctt tcgaatttgc ttatgaaaat tgtttctgtg aagaaaatcc 120
aagccgaggg gcttccgtaa cgtttccgcg agtgatttgc cgaaggtttt cgaccgttct 180
tcgacgttct tcattcggtc ttcacgttcc ttcagttctc aacgggtaag tacctcaaac 240
caagcctttc aattcattct atgtaccctg ggtggaccac atttggtatc atgtattttt 300
attctcgttt tcattgactt tttctacca cttttgacgc gcttaagcca tttatataag 360
gcattcctcg cttaa 375
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<210> 24238
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24238

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gacctataaa actcagetta acccctttta aagaaggctt taatgcttat gaagatttaa 60
caatcaattt aataattttc tttaaacgtg caagataaaa ttgattgcaa taaaataaat 120
aagataaggg aagaaagaat tgcaaactcg atttatactg gttcggccac ttcattgtgc 180
tacgttcagt ccttaagcaa ccacttaag attttccact atctctgtaa atcatttaca 240
gactttgaac acaccttggg attccttacc cttgtgttca agattttcac actccaagag 300
acaccccgtc tcttgattac aactgagttt ctgagatgaa cagaaagatc tctctccttt 360
agagtggatg atacaaattg aagatcctag aggaaatttc ctctttttaga gatgataata 420
cagattgaag 430
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<210> 24239
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24239

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tgtttgggag gattgatggg gacccggggg tgagagaaac gaggatatgg gctacgtggg 60
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agtacgtgag ctcagttgga ggtgggcaac aggggatggt gggtttatgc gcgcattgtg 120
 gatgtggaaa acttgtttgtg caccatcgcc cgaccgccac ctagtaccac atgtgatggg 180
 taccataa tcctacaagc ttgagatgag gaagtgttga agggtgaaac ttctgtcttt 240
 tattgttgac cacagagtgg tacctggaga tatgtcgagg gggtcaggag accttgggga 300
 cgtcaggtgg ggtgctattg cccaaaacca agcttgacca atcccgaccc aaccgggca 360
 tagtcggtca g 371

<210> 24240
 <211> 499
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24240

agtggtagat gaactttgag acgtagaagn cagagacaca tagaatctca agcttagatc 60
 aattcaaatg gccataacgt tacactcttt tgtancgacc acgcgcatga tatatcggag 120
 gctcttcgat atttatcaac aagcagcgct ctcagaatat cataatgggtg cataactttc 180
 tacttcagag gtgccgatct catgcgccat tatatatcag acgcttctcg aaataagagt 240
 caccgaatg ctctcgataa gatctaatac gggacataac tgtttacctc gnaggttctg 300
 attcaccgtg tataatagat tcgacaccct cgcgacttga acctccggaa gtccttgag 360
 aaatttcaca tgacatacac gtctaactca gaggcaccac tcaggcgcat actatttggg 420
 cagcctgga actgaaccgg cgattcgctg cgagaatccc aatgggtctaa cctctcactc 480
 gagattcctt cccgcgcac 499

<210> 24241
 <211> 447
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24241

cgtcattgag ctttgaacac tnnttgatcc ctgagaccct ggacnccaag agnncacgag 60
 cagcgacgca ggttgctccg agcgacacgc ttttgcatgt ctgagaccnt aaacgacacc 120
 agaggcgggg taccgacaca gccctgagag ctggagccca aacaagcagg cgatgaagaa 180

cgacatgaat caaagacaac tacatacttc tatcacctgc gctcaagaac agagcagaag 240
cctgggtcagt gaatccaagc gcaatatatg ccactaaaat aggaaaccag cgtgaacaag 300
gaaaggagga cctctatcac catgtggcat cctgggtagc acgggaaaca acaacaccga 360
ctggaggact aggtccgtaa aaggtccacc agaaggaccg tgaaaacacg agataaaacc 420
agaaagaaac gacacctcag catgacn 447

<210> 24242
<211> 190
<212> DNA
<213> Glycine max

<400> 24242

ggcggcgata tgcgtgcgga aatcatgac atcgtatata cactggttta atagtgtcct 60
gaacccatt ctgaagatcc tttaatggcc gcaatgcgga ctgtgatata atctagcaat 120
ccctgcaaaa ccacaatcta atggcagtag ggatacaaga cgctaagggtg ttataatctc 180
accggccttg 190

<210> 24243
<211> 303
<212> DNA
<213> Glycine max

<400> 24243

agttttccga tcaaatacag tagcatgcat tttttttttt aattttttta accagcaaatt 60
attttgttgt taattagtta attttttttag tcagaggact agaattcata ttcttcctta 120
tagcatgcat ttttttatat tttaaccgc aaatatttag atgctaata ggaatgttct 180
tttttttctg tgagatgatt gaaatgtata ttactccttt acttcgtctt ttagcatata 240
tgcattgtaat gtaagtggga gctggattcc acgaatgaat ggctatgatt ctgatggatg 300
tgg 303

<210> 24244
<211> 407
<212> DNA
<213> Glycine max

<400> 24244

tgtgcctcgt tacgtttgga atatgaatgt tgcatttata tttaaagacc cttaggtgct 60
 ttgttgatgg cttcttcttg tttcaagctt caattggagt cttgtctttt acagacttag 120
 ttggacatct attgagtatg taaacagcag tgtagaactgc ttcagcccag aatgtattaa 180
 gtagtccctt ctccttgagc atcaatctag ccatttccat aactttgcga ttctatctct 240
 cggacactcc attttgttga ggagaatatg ctactataag ttgtcgctca atgccttcat 300
 cctcacaaaa tctttcagac tcgcgagagg tgtactcttc gtcgcgatca cttcttagct 360
 ctttgatcca tttccacttt gatttttagca aggccttgaa cttttga 407

<210> 24245
 <211> 362
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24245

tgtttggcac tgcagcagtt aagtgaacaa atgaagtgtc cacagtcatt ggatggatgc 60
 ttggtagagg tacatgctaa taactaataa gatttcctgt gcaggggtatc attgtttttg 120
 catgactgat ggctaccttg gggctggaga ttttggttga atctgcctca agtgttattt 180
 tgaaggtaat tgagataatc ttttgatgct gtttgcttat tatataccta aatttggggt 240
 gaagactagt tattcaacat gtggattatc taccataata agtgattcta tcatttgagc 300
 agatgatatt atcatttgac cttgctnttg ctttgattcc gtccttatag ttcagtagca 360
 gc 362

<210> 24246
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24246

ttcctctatc aacctccatt cttcatcaat tgcaattatg acgacncaaa ttatacaacc 60
 ttcgaaaata tcttcgaaca caatgacatg atcaaacggc attttgtcta tcaagagtat 120
 cattgtgcca taagagagcg ccatataatc taagcatgtg ttaattttta aaaaaaatt 180
 actottagct atagcacgta aattcataca taaatttgct catacaatta tgcgattcta 240

aaggttgtaa atccttgagt attataaatg aacttgtaag cataatccca cttttatatt 300
acagacgaga aaatatcatg actctagtga tctttttgca ttcattggga aaagagtga 360
ctaataga 368

<210> 24247
<211> 278
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24247

tgtttgtaga ctctagaact acaccaatat cgnggtactt atagattcat gaaatttgga 60
tcttaaaaaa ccaggcgatg atgaacgaca tgaatcaaaa acatcataca tacttctatc 120
accttctttc attntctgag cataagcttg gtaattgaat ccaatcgtat tttttccac 180
taaaatagga ttccagcttg gccatgtaaa ggtgttcctc tatcaccatg tggctccttg 240
ggttgtcacg gtaaacaaat atcacctttt tggaagtc 278

<210> 24248
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24248

ntntcagttt gactgtaaca attttcatat ctctattaga gctaaatttt gaatatcctc 60
attgttttagc tgcaaactta gggaaaagat agattatttt gaaatcagag ttgtaattta 120
aaatagttaa ttaaattata acataccatg tatgttgac aactaacttt ttagtagaga 180
attccgtcta aaagtcattc ccatgtttta ttccatacat ttatggtcta ttaatgttgt 240
tggataagag catcatttca aaaaacttcc tcgaatagtg tcctgaaccc caatccttgg 300
cttctttaat ggccttaatg tatttcttat cattagtcaa gaatcccana gcaaacatt 360
cttcttggca agtgggataa catgttgcta acagttctaa ttcctcaca cgacaatgg 419

<210> 24249
<211> 384
<212> DNA
<213> Glycine max

<400> 24249

agtttgcccc cataatcaaa gatgacccat gccagttgt gcactatgtg aagattgtgg 60
taaaggccaa agggtttgag gagttagatg tggaaccgag aaccaatgat gacaatatga 120
ttaaaccaat tgaagaaaca tatacctttt agctcaacat taaagaggaa tatgttacct 180
aacttgcaa ccaagtctta ggtgaagata agagcaactt acaacaagtt attcggacgc 240
atgctgaccc gttcgcatag tccgcagctg acctgtcaag gatagatcca atcttcatt 300
gttaaagatt atccatatat caagatgcc aaccataac tcagaggaat agaaagatgg 360
ggaaagaaag gtgttaggta gtgc 384

<210> 24250

<211> 352

<212> DNA

<213> Glycine max

<400> 24250

actaagctgc tcggggatct actacgcttt agaacttggg atgctgccta gcaatttaca 60
ctaccacaga gaatgagcta ttagcgatag cttttgctct tgagaaattt cgatcatatt 120
tgcttggtac tcgagttatt gtttatactg accatgcagc tctgaagtac ctgttgaaga 180
aggctgaatc aaaacctata ttgatcaagt ggatgctatg gatccaaaag tttgatttgg 240
agatccgtga tcagagcggg tcacaaaacc tcatggctga ccacctgagt aggattgagc 300
gtgcgcctga agactcacc attacggatg atttttcaga tgaccatttg ta 352

<210> 24251

<211> 321

<212> DNA

<213> Glycine max

<400> 24251

agcttaagct ccttcaactg cttatggctc ttaatatgtg aagaggatac ttgaggaacc 60
ttcaccggac gaagacactg aaaaaaactt atcttctcct tcttggacaa agtatggcag 120
gctgggggca agtaaaattt cttacaatca gaccttggat gcagctgaga tcgcataccc 180
atatcagcta gatcttgacg agtattcaag ccaccttca tcttgccttg aatgttaagg 240
agcgtcccaa tcacactgtg acaatacatt ctccacatgc atgacactcg tacgatggct 300

agcgccgaga tcacgccagt a

321

<210> 24252
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24252

catctatcct ncaactccatg tagaattatc ctcatcggnt ccccaactgca cttcaccaa 60
cgcgatctcc ttctctttca acgacttcat tcttcgggtca gagatcttct gaggttgtgc 120
tttataggtg aggttatact tcacctgtac ctcgccact gcaagaatat gtgatggatc 180
cgggttgtac cgtctcagtt gagagacatg gaacacaggg tgcaaattcg ataaactcgg 240
aggtaaggcg atatgataag ctacaggccc aatcttcttc aaaatctgat atggacctag 300
atacttgggt gtcaacttcc tagccttgag agctcttcca cactccgtta tgggagaaac 360
cttcacaaac catgttc 377

<210> 24253
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24253

agtttcattg ttgcgacgat gatcttttct cttatggaac tagcattcaa actcatttta 60
gaaaggacat aatccaaatt aaacaggaga tggaatcctt gagggcttgt acaaactcaa 120
ccttctgagc tcgtttctta gacttgcata atcaacttag ttctctcctt caccatanaa 180
aggtcttttg gagacaacat gaaaagcttc attggctctg tgatggggac tccaattcga 240
aatatttcca caattcatct tcagccagaa tagaaatgga tgactagatt ggtatctcgt 300
atattgctaa aagatacttt gagaaccttt tttaagcca tgggtggatat cttgacaccg 360
ctatccctca cttatct 377

<210> 24254
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 24254

gcttttaact gaagttgcaa cgttccaaat atctggaata tgatctaata gattacaata 60
 tatnngctat cgattactag tgtatctgaa cgttgaaatg caaattcaat tgtgaaaagt 120
 cgcatatttt cataaaatgc tttgtataat cgattacatg gttatgatta tcgattatca 180
 gtgacaagtt ctgaataaaa agtcaagaga tgtaactcct ccaatgggtc tctcaatatt 240
 ataactctac taatgggtgga cttgaccata catgaagagt ctataatagc aaaaccttga 300
 cttgcatttc actaactttt acaatttgag aacttctttg aacaactttt gagatatcat 360
 gaaaccttcg cttcatatct ttcttctatt tccttagcca gaaagctttc taagtttttt 420
 gtttccaaac 430

<210> 24255
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24255
 cgctagctta tctgtctcaa tggcgtgttc ctcaacgcct tcctagagac cccggtggtc 60
 ttggagcctg gggaacacta cagcacgtac tttagattca tgtccagacc ctcaggagtt 120
 cgtcgccaga ttatgtattc taaggcgcgg ttttgtactt aatgctgagg gagcaccctg 180
 gaagctcctg aggaaggacc tcaccaccct cgccataca tgaagtgtgt tatcatactc 240
 caacctcgcc cccacctctt atacgttcga tcttaacatg gacaaggcga ggtagtcta 300
 cgggcttctg atgaagatgg atatggactt gggctcgtc atttcaggac aaatatcaca 360
 gacggggacc tgacattct 380

<210> 24256
 <211> 441
 <212> DNA
 <213> Glycine max

<400> 24256
 aaactctagc ttgtctcctc tgtaatttgt aaactgcagg cttcccttgc tctattctta 60
 gtgacatttt atgctacgca gttccttggc ccaaactatc attgccggga ggtatactta 120
 ttttagaatg tgtgcttttt aaacaaacat catttcactt gcagttaaac tgtttctttt 180

ctttctaggt gactgagtag taaactatgc aagtttagatt tttttttctc ctttcaaata 240
atcttttaaat ttaactacat ttcatgtatt gtgcaggggt ctaaacttgc tacactgcct 300
cgtccggata gtgtctttga agtcctcttg attaattggt agtatactat tgtactcgag 360
ttcttttagct ttgaactcct tttggttggt ttggtgctca tttgggtttc atcatgcagt 420
tccacaagat gcgatatatg g 441

<210> 24257
<211> 336
<212> DNA
<213> Glycine max

<400> 24257

cgcgagcctg cagtgtctag ctgcatgcat gcatgtcttc tattcttgac atggtcgatg 60
tgagtaaagc taccatact gctttaagga tttatgatga tgcatttgga cacatgaatg 120
cttaaagagt atgtgaataa accgattaaa aaaacgtgta ccttatacct cagcatgaat 180
gaggaatatg ttacgccgt tggcaaccaa gtcttatgtg aagatgatag caacttacia 240
caagttattc tgacgcatgc tgaccgcttc gcatagaccg cagcttgacc tgtcaagata 300
gattcgatct tccattggtg cagattatcc atatat 336

<210> 24258
<211> 260
<212> DNA
<213> Glycine max

<400> 24258

tagactcagt tcaacctacc atcctttatc tgattgttta acttaacgga ccataaaatc 60
gttggaggac cttttgaggg cgtgtgtctt agagcaaaat ggaagttggg agagttttcc 120
tgccattgat agagtccact tacaacaata tgtttcactc taccattggc atggctccct 180
atgaagattt gcatgggtata aggtgtagga cacctctatg ttggctagat cctgcagtaa 240
accttacctt atgaccttga 260

<210> 24259
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 24259

```

agtttatttt tccttactaa aaactcattt tttaccacaga acaagttgat tgatcaagtg   60
taaggtacaa ttgttggaac caataagact taaaatcaag aagccggagt ttgaattcaa  120
tagaatccaa gatgcaccac caaacatgaa aggatttata ttttattttt cagtagttaa  180
taattattta tcataatttt atacctgnga aatccttaaa agttagtata cagcaactta  240
cttacctgtg aactagacca tataatagca gtaaaacata attatctcat ctatgataaa  300
ggttgcataa catgctaaat ttaaaattgg caaaagtatc taattaacag gaacttttga  360
gttttgaaga ctatg                                           375
  
```

<210> 24260
 <211> 364
 <212> DNA
 <213> Glycine max

```

<400>        24260

gccacttaat atatacttat ttcgaattct tctattcgct ctatgggatg agcgctttgc   60
aaagtgtgaa cagtttgcaa tgtctactat aatattatgt acactttctt gaagatacgg  120
gctaaagata ttcaaaaaga aagttggaat taatagtcac tctctatatg taactacatt  180
tccctctttg catctttcat ctgcagcgct tgattattca acaatcacct tatggtagct  240
ctaagagatg ggctgagagt ggagtcatat aaaataggat ttcacattcg atacattaaa  300
tatttcaacc ctagtcatc acattcttga agaggagtca ctagacatgt gatcataaga  360
tggg                                           364
  
```

<210> 24261
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24261

```

agtttgcatt tctcccatcc cccagcaaa gtcattgat agttctgctg gtacgaggtg   60
aggtttaaac aacaataaac gcttattcca ccaagtggag ctaatatata tgtcaaaatc  120
actaattggc atacacattt gagaatccaa agagcataaa ttttattgat tactaagtta  180
  
```

ctaacttgct ttactttacaa tattggcaat gatcggttcta tttcaatctc gntaacctat 240
gctctgctca ttctttatctt tccctgcatg atttccttga gactacagat actgatgtta 300
ttttagctgc ataattgaaa cggtataata atgctgcatg cttttgaagg tt 352

<210> 24262
<211> 547
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24262

ccaccccgcc caccagcagt ccactgggac aaaaagttgt tggtagaacg aaaccncnc 60
ccccccccc cccacccctt tgacccttg agactagann acntcggaan aacnanagca 120
nacncaagca cngagcccaa aagcgaccg acgcatataa cgatttttcg tgggaagacc 180
aactccgaca cgcagaagcg aaaatacaaa aagggaatca cgaacgagaa aacaaaggaa 240
aatccaatg acaagcccaa ctatgaggca gacaatatcc gaatcgggga aaggagagaa 300
gctaaagggg aagaaaggaa aactaaacag caaacaagg gacaaagaaa aaaacggcga 360
agaagaccga aataaggcac ctgatcaacg aacgacaaaa accacaataa atgtgcacac 420
agggaaaccg acaaacacac acacgacggc gcaaaagagc gaccagacga acaaatgga 480
aagcaacgaa tccacgacct gaaaaggaag aaaacgctaa tgaccaacca aaaacgaacg 540
cacgccg 547

<210> 24263
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24263

atcttgtaaa tactacaagt atatgaccta tacggctagt agatttgtgt aaggacacta 60
tgtattaatg tcattttatc gataaatatt aattattaat tattaatttt ttattagtag 120
gggattgaaa cacaattttt ttctttttgt tcttccttaa ccatacaatt cacctttgga 180
gggttttcat gacttanata ttacataat tataaccata actaattatt aactagatta 240
taaagtatgt attataacta taaccataat taattntata taactagcta gttataattt 300

ggcataacat gatataactg gatattatgt tcaaattatg aatatataaa aggttatgaa 360
 taaac 365

<210> 24264
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 24264

acactctaca atactcacgc tcttattgct cgtggaagtg attgaccaca tttatgttgt 60
 ctccgatcac tcatccgccaa aaatgggaaa gtattcatca cgggtgattc ttacacttta 120
 caaattgaaa acctagatgt ttgaatctct ctgttaaagt tttacatctt caagcagctg 180
 tctccataat tegttaaagt aatgtacttt ttcttcaaagt cagtccaaca tgcactagat 240
 gtaagctatc caccggccatc aacatattgg catcataaac acctcaaagt gtgctacgta 300
 tgtgaatgat taactagaca tctttatcaa 330

<210> 24265
 <211> 296
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24265

atctttatca tcaccccgaa tttcaaatta ttcaccaaaa tatgacctgt aatgttcatt 60
 gtggggataa ggacagattc tggcaagatt cttggctgtg acatggaggc agccttcagc 120
 agaagctcaa tcaattatgt gtgagtagca gatagcagaa cctttccatc tctaanatgg 180
 gatagtttta tcacaatact cggaattggg attataaatg gagaaggaac ctctntgatc 240
 acgagaatga gctagcaata gccttcattg acgatatatc tgctatatct attcat 296

<210> 24266
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 24266

cttaagcaac tagttgcatt tgaactatgt tttattgttg gacaaactac gaaaagtaga 60

aatcaatddd acagagatddd atdddtatga ttgggggtaat taatatddd ttaatdddtagt 120
tacaaaacta actatgatgc aaagtaaatt taaaatgtga aaaaataaaa taataaagtg 180
taagtaataa atcttaata gtaatcaagt gtatgttatt ddttdtccga agttaactgt 240
aatgtgtcaa attattagta tagtccagat acgaaaataa attgatacaa ggggaaccct 300
aaaataacac acacaaagct taaaaaaaat aattgaactc atctaattat aacaactatt 360
cacgtgaacg taaaaaaaa aaaacactat tcacgtgtcg tagaattaag ttcactt 417

<210> 24267
<211> 363
<212> DNA
<213> Glycine max

<400> 24267

agtcttdtcag caataacatg atcttdttdtcag cttctattca agtgatcaat tcttdttdttdc 60
cagggtcatgt acattgcagt ctaaatacaag tccatatcag catcttdtcat atgcaccatc 120
aacaattdtca gaacttdcaca cacctgttdca ttggaagaga caaatctgtc tccaacaaca 180
aaactgcaaa tctggtcttdt caattcaatc cagctcctcc ccgagtcact tttattdttdta 240
atgcctctcc tcagcttdcgt tgagctggca aaatcatccc agtttdcctc agcggcataa 300
atatttdgata tcaacgcata agttcctgca ctatatggct tcatatccaa agctctcaaa 360
gct 363

<210> 24268
<211> 432
<212> DNA
<213> Glycine max

<400> 24268

tgcataaatt agtagcaaca aattcagagt aattagttaa gaggataaac tgaacagaat 60
ttaacagtaa taatagaacc tcaaagagaa ttgtgcttga tcctcaagag aaaacaacgc 120
tgccgactta gccttdtcatt aatcaaatag agaataaat tttattgata aactaaaagt 180
ctaaactgga attgtaaaaa atgaaaaata gaagagagag agagagagag ctaaactaga 240
accttggtgc tgttatatag ttdttdcagcc ccaaagctta caaatctatt ttaaatacaa 300
gcccataagt aaagtcaaat caaatctaga taagataaga tctagatgaa ataatatcaa 360

gatgagatca aatctaaata atatctagat aagacaagat aagaaaagat ctaattttgt 420
agaataaatt ag 432

<210> 24269
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24269

cgaacttgaa accntngaaa agcctngttt gacgccctcg tancacctag ggagaactca 60
gcgccgaccg gcagacacgc tagattagac ctgaggcctg aatttttagaa ccagcccagn 120
agtaacaatg caacgaacga cttggaaata ctcttattct taacagaaaag atgagcgcgga 180
cgggttggtg gatatttggg actttgagga acacatttgg cctataatca cttagagag 240
gcattctcaag agcgaaccaa taagacatga ctttatgacg ctaacaatgt gacacacact 300
atgagaaaaga tggggctgac ctgagtaaaa gaacgatggc tatatgattc tgtgacaacg 360
tctgccatag acagcatgaa aacacatggg gaatctgacg gactgacaat cctgggcaga 420
taaggcgga gctgtgatca gctcccaaac gtgaagtgat acgc 464

<210> 24270
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24270

cagcttggtan ggtaaagnc tcacttttgt cacgtgctca tgcaacaatt gttagccatg 60
gctatacgag acatctttcc aaacaaaggc aagttagcca taactcgggt gtgctttttc 120
ttccatgcta tatgtagtaa agtcattgat cctgtcaagt ttgatgagtt ggaaaataag 180
gccgcaatta tactgtgcca gttggagatg tattttcccc tgctctctta gacatcatga 240
ttcacttgat tgtgcatcta gtcagagaaa tcaaatgttg tggttcgggt tatctacgga 300
ggatgtaccc gggtgagcga tacatgaaga tctntaaagg gtatacaaag aatctttatt 360
gtctaggagc atctatt 377

<210> 24271

<211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24271

tgaggagact ntgaatcaat ttatgcaagt aacaatgtca aatcataaaa gcattgagtc 60
 aaccctgaaa aacgttgagg tccaagtggg acaaccggcc aagtagatag ctgacaagtc 120
 atccaacagt ttcgtgtcga atacagaaaa gaatcccaag gaggaatgta aagctgtgat 180
 gaaaatgagt aagaggtttg tgaaggtgga ggatgaggat agtggtgtat ccaagaagaa 240
 agctgctgaa aagaaaggta atgatgaaaa gaaagatgat gtgagagggtg aaagaaatca 300
 ggaaaaagaa aaacaaataa tgggtcaagat aaagaaatta aatgaccaag aaaaagataa 360
 agaagtagaa aaagaaaaag aatatgaaaa aaatgaaaaa gatgaaaaaa taagaatgaa 420
 gagaggagta g 431

<210> 24272
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24272

agcttcatgc gtcgatcatt ttgttatatt attgcatcca cacttcttgt ataccggggtt 60
 ctctctcttc ttctttatgc ctttgatttt gcatgtgggg aggcctatgc aagttttgat 120
 tcaacccttg cttgtaattc tatccctgat ggaagttggt gttgttaaag aactgctcat 180
 agtgattggt cctccctctc acataattaa gctcatccat ggcttgagcc aactcacctt 240
 ccacagtgca ttctcctaga ccatgaacac atccacacct atcacaagtg tgattgggag 300
 gtgtagagat aggcacttga gacttagctn tcattcaact ctgaatttct tggacaatgc 360
 tnanatctat c 371

<210> 24273
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 24273

agcttacggt aaaatctggg acctagctat ggtagatgtc tccacagaga ccattgcctc 60
 ccttgcccag tattatgata aaccactgag gtgcttcacc tttggggact tccagctgtc 120
 acccatggta gaagaatttg aagagatcct aggatctcct ctaaggagaa ggagaccata 180
 cctctttctca ggggttgatc cctcattagc tagaatttct aagataatcc atatcttggc 240
 gcacgaatta gaccacacga agcaagtcga aaatgggggtg gtaggaatac cgattaaatg 300
 tttggaggca aaagcaataa actcggcacg caaaggcaaa tgggcctcat tcatagacat 360
 tctcacactg ttgata 376

<210> 24274
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 24274

ttttgcaagt ttattcactg acaccacggt tccattaacc agtctggccc tgtgaactat 60
 cccatatcca ccttcgcca tgatgctctc gctagagaaa cgataggtgg ccatttccag 120
 atctctacgc gtgaaccaga ggccccaccc aagatgagaa aaatcaggct agccaactaa 180
 ctgagagggt acggccaccc catcatgtga caacgaagca tgcttcttat cgttcccaga 240
 gcttccttgt taagcagaca ttgaactcaa 270

<210> 24275
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24275

tctccaacat ctacttttga taagccttct tgtctttaac ctggactagg agacatacat 60
 cagcgtgtga tatacatatc agacgtgtaa atatttgcta ttgacattgc acaaggacat 120
 cctaccactt caacctcgaa gttaagcaaa tcaaaaacac ttaaattcca aaaattaaaa 180
 agaaccaccc ccaacctaaa tgagcacaac taaacaattc ccaagtatcc tatagttgct 240
 atcaaactaa ataaactaca actataatga tctctaaagt acaggctctt taacagggtca 300
 caagattaac aactatgtgg atatgctgta tntaagctgc ttgaacatct cacaataaca 360
 taaaacatat ccaataagta aagcttattc catgtttgtc catatctaag aagct 415

<210> 24276
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 24276

tgtttcccaa gtttttaagt tcttcctcaa aactgtccta agcaaagttc ccaaagtcct 60
 attaacaact tccgtttgcc catcggtttg tgggtgacaa gtggttgaaa ataacaattt 120
 agtgcccaac ttgctccaca aagtccctca aaaatggctt aagaacttag agtccctatc 180
 actaacaatg ctctttggca aaccatggag tctcacaatc tccttgaaaa acaaatcagc 240
 cacatgggaa gcatcatcaa tttttttaca tggaataaaa tgagccattt tagaaaacct 300
 atcaacaacc acaaaaatgg aatctctacc attgcttggt tttggcagcc ccaaaacaaa 360
 atccatggat aaatca 376

<210> 24277
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24277

tgctctaaat ttacattgat gttcgtatct atgggattag gctgcatgcc cttttttttt 60
 agtagtgtcc cactggtaaa actaactttc caaatgtttg ccttcgcagg aaatggcccc 120
 gaggaagctn gcctcaaaga ggtccaggaa ggacaaggca gccgaaggaa ctagttccgc 180
 tccggagtat gacagtcacc gctttaggag cgctgtacac cagcagcgct tcgaggccat 240
 caagggatgg ttgtttctcc gggagcgact ggtccagctc agggacgacg agtatactga 300
 tttccaggag gaaataaggc gccgacggtg gacatcactg gttactccca tggccaagtc 360
 tgatccagaa aagttcttga gtttatgcc aatgcttgcc acagatgagg cgtgcgt 417

<210> 24278
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 24278

agctttttca aagtcaagtt tgaaaacccat gcaggggtta tttttgaatt tagcttcaac 60
 taagacctca ttagctatca ttacaccatg gaggatatgt ctgcctttga ggaaagcaat 120
 ttgcctttca tcaattaagt gaggcagcac aagagccagc ctattagcca ggacttttga 180
 cattattttg taaacacacc ctatgagaga gatgggtcta tagtcattaa gagattgggg 240
 gctattgggtt ttggggatga gggctatgaa ggatgcatta cttccttttg ggaatctgcc 300
 attaatgaag aattcatcaa agaatatgat aaaa 334

<210> 24279
 <211> 410
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24279

tctacataat tggagagttc tagagtgaga aaggttcttg ttctagagag tttgagagat 60
 tttgttatgt gaagatctgt aaagaccaga gctggaagag gaagccgtcc tgagagctta 120
 agatgagttt gtgagtgatt gtgaggttct agaggtggag gagacatccc cactacttgt 180
 atttctgcaa tctttcatct ttctcttctc tttgttgtaa aggaagtttc ccagttatgg 240
 aaagctaaat cctctgttgg atcttcttg taggtacttg atgtaaatat ctaattttat 300
 ctatttaatg atattttgtg tgttcaactgt gctatcaggt cttcattcta ccatgctttt 360
 gccttgatca tgtagatgca tgtgtntnta ggatcattca atagtggaaa 410

<210> 24280
 <211> 369
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24280

agtttttagg atgtgttcat ttgtgtaaac aacatctaca tattagaagt aattcatgct 60
 cacgtaacca taagcagcaa taatgtgtga acatggatag tgaagagcag aatactttcc 120
 gcattgacaa taatggatcat tcaagttaac tgcccacttt tgtccgccac gttgcgttct 180
 aggattgaag gtctcttcta cttcaaacct tgtcgaatgg atatcataga cgcggacgat 240
 gtgcgaacaa gcttgttctt gatttttntg aagttcttta acaaccttaa aacaatatat 300

ttggccttca ttttaatttgc tttgggcttg acgaccacga tcaacaaagt actttcgaac 360
ctactatat 369

<210> 24281
<211> 401
<212> DNA
<213> Glycine max

<400> 24281

ctcagcttta ctttttcttg gggagaagcg tcttgatgtt taaaatgctc tacatcttcg 60
gatgactaat ggtaacgcc aacaaaagtt agtccaattg gtaaagatta gactcattat 120
ataaggacag tgagttaaatt agggagtcct tgagaccgca cctaaaattt tattcacaaa 180
aaagaaaaag aagaatgatg gctaacaatt aggttactgc ttcttcgaca taatatctct 240
atttaaaaat gttccatttc acctaacaag acacttgtgt gttatgcatg cttccatcgg 300
tgagactatt attagtttct tgtgagacac caaggattcg tgatttcttt aagtgattgg 360
atattattgc atggcttatt attaatgcag taatgattga t 401

<210> 24282
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24282

ttttgtattt tattttgaac gtcttgatt atcaaatgac tctctccgat attcgatgcc 60
aaagctattg cccgttgaat ttgctcagag ctgttgatg aaaatccatg gtcgcgattt 120
aataccggac tctatccatc atccgaatta aaaggtattg acttttggat ctgcctccag 180
acactgttat caatatcgtg catgttgata tactgcacga cctcactcca ctttccaaga 240
aatgataatg tccttcgaat ttgagagagc tcgatagtca ttagcagcga cttgaatata 300
aatgactcat ccgccatctg atgacagtca cattcttcga tctctacgac gtttgtgn 358

<210> 24283
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 24283

tgaaattaan aacaaaggct ctaagcaaat tcgaatgaca ataacttttg actcggatat 60
ccgattgagt catttaataa ttcgaaacgc tcgaaattga atacagaagc tctaagcaaa 120
ttcaaatgac aataactttt gactcagata ttcgattgag tcattttata atttgagacg 180
ctcaaaattg aatgcaagag ctctcaccaa attcaaatga caataactct ttactcagat 240
gtccgattga gtcccgtaat atatcttgac actcaaaatg gaaaacagaa gctctgagca 300
aattcaagcg aaagtaactt ttgactcaaa tgtccgattg agtcatttaa taattaaaga 360
cgctcggaat tgaatataga agctgtcaca aaattcaaat gacaataact ttatac 416

<210> 24284

<211> 363

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24284

tttatgcatg tttatagtca ttacttggtg agaaccataa gccaaagttg aatgttcctt 60
tgatatagta aataatttgt tttgtggcct tgagatgagt agtgggttga gtctccatgt 120
attgactgat gagtgcagta ccatatagaa tgtctggtct tgtggacgtc aaatatcaca 180
aactaccac caaactcttg aaattttag caccatctt ttttgcttcg tcaaactttg 240
ataacttcat tntgcactcc accggtattc caattggctt gcatagtttt gctatgaaat 300
gaagattcaa tcttcctttn gctttacctc aataccaaga tagtatgaca ttaatccaat 360
atc 363

<210> 24285

<211> 418

<212> DNA

<213> Glycine max

<400> 24285

tccttaagaa gattcctaaa gaagctagag cttagctaca catacctctc taatagctaa 60
gtcacctcc ttgaaatgag aagctagagc ttagctacac accccctata atagctaagc 120
tcacccccat gaaaaaatac aaaaaaaat cttactaca aagactactc aaaatgcctc 180
gaaatataag gctaaaaccc tattctacta gaatggccaa aatacaatgc ccaaatgaag 240

gaaaaaccta ttctaataatt tacaaaagata atcggggtca tacttagccc atggggtcga 300
aatctaccct aagggtcatg agaaccctag ggccttcctt tggatctctg gcccaatata 360
cttggagtct tctatccaat gcccttgagg gataggattg catcattatg tacatatt 418

<210> 24286
<211> 347
<212> DNA
<213> Glycine max

<400> 24286

caaacgacca taacttttta ctgggatgtc tgattgagtc ccgtcatata tcgagacgct 60
cgaaatcgaa tgatgaagct ctgagccaat tcacgtgaca atatctcttt actcggatgt 120
ctgattgagt cctttaatat aacgagacgc tctatattga atgttgaacc tctgagccta 180
ttcaacgaca ttaactatct tctcggatga ttgattgagt actgtcatat atcgagacgc 240
tcgaaattga atgttgaagc tctaagccaa ttcaaacgac aataactaat tactcggatg 300
tctgattgag tcccgtcata tatcgagacg ctcgagaatg aatgttg 347

<210> 24287
<211> 349
<212> DNA
<213> Glycine max

<400> 24287

tcaacattca atcttgagcg tctcgtgata ttactgtact caatcagaca tccgagtaaa 60
aattgatagt cgcttggaatt ggctcctaga tgcaacattc aatctcgagc gtctcaatat 120
attacgggac tcattcagac atccgaatag aaaggatcgc tccccgaatt agcttagagc 180
ttcaacattc aatttcgagc gtctcggat atcacgggac tcaatcagac atgcgagcta 240
aaagctattg gcgatcgaat tggctcatal ctacacata caatttcgag cgtctcaata 300
tataacgggc ctgaatcaca catgccagta agaaggtatt gtcgcatga 349

<210> 24288
<211> 258
<212> DNA
<213> Glycine max

<400> 24288

atcaaatacac tctacatct catctctaac atgcattttc tttctttacc cactcctcac 60
 gtttggtttt ttaaggaaaa acaccataac taaacgcgcc gcaagggatc cctatcgcac 120
 cagatccaaa tttataacga tgggtgatca agaggagacg caagaacaga tgaaagccga 180
 catgtcggct ctgaaagaac aaatggccta catgatggat gccatgttat gtatgaaaca 240
 gctcatggag aagaacgc 258

<210> 24289
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 24289

tgtgacagac gccgctttga gagcgtata caccaccaac gcttcgagga catcaaagga 60
 tcgtcggatc tataggatcg acgcagctct cttacggact acgactctcc ggatatagcc 120
 gacgagataa gccgccggga tggggcatca c 151

<210> 24290
 <211> 338
 <212> DNA
 <213> Glycine max

<400> 24290

agcttatgga tggaatactt acttgttgat gatgaacaaa aacgcaaaat ggaatcaaaa 60
 aatgcgaaaa aggatgacct tagggctgca aactcgtcaa tcccgtgggt atggcttttg 120
 aaagggggga agggaagttt ttgaatgcaa aaacgcccc cctttcgtca ttcttatatt 180
 ttggtgcaga ggtggctcgc ccaagcgagc tcagctcgcc caggcgagct aacctgcacc 240
 cccccctttt tttttttttt ttttttttat ttcgagggga acattaacca tgtcccctgc 300
 cttatcaggg attagcattt tgcctaactt gaacttac 338

<210> 24291
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 24291

ttgaagggtgc gtagtccacc attttccta gtagaattct ggtaatgtgt ctactatcat 60

tgtcatcggtt tttttcgtca ttgaggtgcc acttaagctg ccaggttctc tccacctttg 120
 ggcgtattct tttgaaagaa tcgtgccctc tttttgcaca tgttctatag ttgcatccta 180
 tccgaagaca ttatactgac actgcctaac gaaggcaacc actaggtcat tccaagaatg 240
 gactcgggaa ggttccaagt tagtgtacca ggtaacagct accccagtaa gactttcttg 300
 gaaggaatgt atcagcaatt ccttatcttt tgtgtatgcc cccatcttcc gataatgcat 360
 ctttagatgg ttcttggggc aagtagtcct ctcgtaácttg tcaaag 406

<210> 24292
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 24292

agcttataag atttaaattg cctcaatcat atccaaatat gcatgtgaat taggaagcat 60
 caacaagaat caagccaagg ctattgtgca cgcaatcaat gggacaaaac acaccaaagt 120
 attatgatga tggatggctc aaattctcac aaaggtaaac tcatcacttt caaattgagc 180
 tttcaaaact atcatgacat gtagaggaga atcaaggatt tcaagtcaca aaatgtcaaa 240
 aacttttatt ttcaaaaaaa ttaccattt cttgaacata tcctatgatt caaagaaaaa 300
 catgcaaagt cgtacatgca cacagaattg acccacaata ttaaactaaa aatccgacga 360
 aactaatcaa cattaacaga ataa 384

<210> 24293
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24293

agctttcaac atgttccttc acaaataatc attacacagc agaaaactaa caaaaccacc 60
 catcatatct cccaaaaccc catacccacg aaatttaaga gagaaagaag tccacccaaa 120
 cctgaatttt cgaagtccca ctcgtagcca cgcaattcac aatcccgaat atgctctcct 180
 ttcacgattt ggggcagaaa cgggcactaa aggttgaagc tttgtatgga gctttaatgg 240
 agaatgaggg aggaagaaag gcaacgtgag ggagagagaa agctgtctga aaaaaagtg 300
 agggttgagt gaagagagag aaaagctttt tggtttttaa taaaaggttt tcctcttttt 360

ctattatattt attcaagctc t

381

<210> 24294
 <211> 523
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24294

ccaccctcgc tgccgcattg ttagatagta gtaagagtgt aaatcttggt catgagacta 60
 catactatac ataactctct cagcgccacc cgactttgan actccttttg agctctttat 120
 acaccacaca agcccgcagc ggaacngaga aaaacatggg gaataagctc ccatttcgaa 180
 tatgtgtacc atcagacaaa gcgagcgcac agcttgagga aaggagcata acaactgggt 240
 ctcccttttt cgccctcagct atgtgctgca taattggatc aaatgccttt taaacattcc 300
 acaataaaatc tttaatccca cgaagggaag aaagccagca ttaacactta acaatggact 360
 ctttcagaac aaaccaacat tttccatttc acaaaaattg tcaaaattaa tttgaaatcc 420
 caatggatta aactttctgc cctcactgga actcgggtcca atactacatt aagagaacta 480
 catatgcccg acatttaaga aagctaaaaa gtcagtccgg acg 523

<210> 24295
 <211> 384
 <212> DNA
 <213> Glycine max
 <400> 24295

agcttgcttg tggagcttct atggaggctg gatctttgag cttcaatggg gtcctttaat 60
 ggtgattttc caccatggag atgcagcgga agacaaagga aaataggtga gaggaggcgc 120
 catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga gccttgagata 180
 agaagcttgg agaggatgct tcaatggatg aaaagaatga gggagagAAC gagagagggg 240
 ggagcacgaa attgaaagaa taaaagaggt atacaagtgg aactttgaag catgtctcac 300
 aagactctca ttcacagag ttacaacacg tgttacacat gcttctattt atagactatg 360
 tagcttcctt gagaagcttt attg 384

<210> 24296

<211> 394
 <212> DNA
 <213> Glycine max

<400> 24296

tcttttctgg aaagtccctt ccctgggttg tgttttgttt ggtattaggg gtggtgtag 60
 gccttgatg tgcacgatt ggattttgtg gccgatttgg cgatggcctt tgtggatgat 120
 tgggcgttca tggctggtag ggtgggtggg aatgagaagg actgatattg gccgagtatt 180
 gatattgttg ggctaattga aaatttggcc atgtaagaat ggtaggcaca acatgagttt 240
 ctccctcctt cttattctct ctattttccg caggctctct attcatcaaa gcaggataat 300
 caaatttgcc ttctcttaga ccactttga tccttatgtc ggccaacact aaatcaacat 360
 agcttgaagg catgtacacc accatcttct cata 394

<210> 24297
 <211> 255
 <212> DNA
 <213> Glycine max

<400> 24297

catctttgga tgtgtatact tacctgttga tgatgagcag aaacgcacaa aggactcata 60
 aaatgcgccc aaggatgacc ctatggctgc taactcgtca atcccacgag tatggctttt 120
 gaaagggggg aaggggagaat tttgaatgca aaaacacacc ccctctcgtc atacttatat 180
 tttgatgcat aagtggctca gttcaaacga gtcacttca tacttgcaag ctgacctgta 240
 gccactctt tatta 255

<210> 24298
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 24298

tgagagacct gtctgtctc ctactctgct gccattgagg ttcattgttt ggttcgcaca 60
 ggctcgatga gttcccatc gtgactgctg cgatttaggt acgtggctgt agaagcaaag 120
 cttcatgatg aatcaagatt gattcaaaga tgttttgatg ataacaaagg tgatgacaaa 180
 tagctcaaag gtcaatcaaa gaatgagttc aagatgttca agatagaatc aataacactt 240

caagattcaa gaggaagtt gatttcaaga atcaagaatc aagattcaag gatcaagctt 300
cccagaatca agatcaagat tcaagactca agattcaaga atcaagagaa gacttaatca 360
agacaagtat gagaaggttt tttgaaaaac 390

<210> 24299
<211> 373
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24299

cttttacact tctcatctc aagcttgtaa gattatgggg taccatcac atgtggtact 60
angtggcggg cgggcgatgg tgcacaacaa tttttccaca ttcacaatgc gtgcataaac 120
ccaccatccc ctgttgccca cctacatctg agctcacgta ctcccacgta acccatatcc 180
taggttgtct caacaccggg tccccatcaa tcctcccaag ctccacaac atccaagcaa 240
aacaacattc aaacagcaca agctatcaca gccaaagcaa acagagcaaa ggcagaaaac 300
tctgccaaaa caccaaccaa atcacagctt ttctcactta aagaccccag taacaattcc 360
ttcgttccaa ttc 373

<210> 24300
<211> 379
<212> DNA
<213> Glycine max
<400> 24300

tgtctttgga tatgatttat acatgattta ggacttgat gatccaattt gggcaaattt 60
ggatgatggg aagggggatt tctaaatctt cccaatttgt gcagcaaaaa gctgtcaaat 120
tttgtgcagc aaaaaattgt gtttgtgcaa aaaatgttgt gtattgctgg ttgtggaaag 180
gggagtacat attgggttct ggacgcttct tagcagatcc caacggtcaa aatgtagact 240
tatgtactaa ggacctccaa taaaaatttt gagtcgatcc tgatggaagc ttgcttgtga 300
ggcttctatg gaggctggat ctttgagctt caatgaggtc cttaaatggg ggttttccac 360
catggagatg cagcggaag 379

<210> 24301
<211> 319

<212> DNA
<213> Glycine max

<400> 24301

agcttgtcaa cgtatatata agacgctccc aaggattata acaagaacat cactgagcat 60
caaagatcct agtatgaagc ttgtgtaatt ataatctcca atacttcggc ggagatgtga 120
agcatttcat aaactttaat ttcttatgtc aaccataaga ttaattcctt attcaaaaact 180
tattcatatc taatgactta aatctattct tttaaagtag cgttttgtga atattgaact 240
cgatgaatgc actcattagc aaatggctcc ataattcata ttcttttatg gagcaciaaac 300
gaaatataca tttctatat 319

<210> 24302
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24302

gccctatagt gagtcggatt acaattcact ggcgctcggt ttacaacgtc gtgactggga 60
aaaacctggg cgtacccaac taaacgcctt ggcagacatc ccccttcac cagctgggggt 120
aatagcgaag agggccgcac cgaacggcct ttccaacaat tgcgcagact gaatggcgaa 180
tggcgctga ggcgnatatt tctccctacg catctgtgcc gaatttcaca ccgcg 235

<210> 24303
<211> 382
<212> DNA
<213> Glycine max

<400> 24303

tttgcaagct tccccaacat ccaggtaatt caacatccaa atcatcacia actaataaac 60
caagcaaac agggcaaagg cagaaaactc tgcccaaac tcaaaccaaa atcacagctt 120
tttctcactt gaagactcca ataacatttc ctctgttcca atttggttaac cgctggatcg 180
actcgaaaat attactggaa gtctctagta cataaatcta cattttgacc gttgggatct 240
actacaaaac atcaagaact cattctggac tactctttcc acagccaacc acacacaagc 300
attgttctgc acaaagccaa aattctgctg cacctatttg acagcaaat tttgcataag 360

tgcagattgt caaaaaccac tc

382

<210> 24304
<211> 394
<212> DNA
<213> Glycine max

<400> 24304

ctatagaagg ttcgttccta atttctctac aatttcatca cctctcaata agctagcgaa 60
gaagaatgtg gcatttacct ggggtgaaaa acaagagcaa gcctttgctt tgctcaaaga 120
aaagcttact aaggcacctg ttcgagctct tcctgacttt tctaaaactt ttgagctaga 180
atgcgatgcc tctggagtgg gaattggagc tgtttttgta caaggtgggc accctattgc 240
ttatttttagt gaaaaactcc atggggccac cctttactta cccccctatt ataaagagct 300
ttattcotta ataagagcac tcctacttg ggaacattac cttgtctaca aaggatgtgg 360
gcttgatagc gatcatcaat tccttaagtc attt 394

<210> 24305
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24305

ntgaataatt gttgccaaaa tgtgtgata aatattctat ctttgtcaga aacaattggt 60
tttgaaaaac catgaatttt gacaatgttg gcaatgaaaa cttcagccac aaccttggtta 120
ttaaactcaa acttcaaagg gataaagtac ccaaatttgg acaatctatc aactactgta 180
aaaatggttg taaatccttg tgaaggaggc aattaaacaa taaagtccat tgctatgtct 240
tcccatatth gttgaggaat gggaagaggc tgtaacaacc cagctgacaa aacatgatca 300
actttagctt gttgacatat ggcacattcc ctacaaaatt tactaatatc acttctcata 360
ccattccaat anaattgagc accaattcta gctac 395

<210> 24306
<211> 321
<212> DNA
<213> Glycine max

<400> 24306

tgctttaccg gatgacgccg atgcgagcat ttcctaacct acgtcctgca aagttcggtc 60
 agggatcgaa ttgatatctc gcttgcgaca tctgtcgtga attatctgcc gatattattc 120
 atccgacatt gcacgacatc atctagaaac tgtgtcaaata cgataatggt tttctttacgc 180
 acaagtcata ctacccggat tgctgaagca taaaagcctg acgaggctct tgagggagct 240
 ttctcacgct agtgcaaccg actcactgcc cccttacgaa cacgatacct gcctgcgcac 300
 tgcattatga gttaaccgac t 321

<210> 24307
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24307

agctttcata agtgaagtca ggtgcagcca tctccctaag agtcctctca cgaggtagag 60
 tttgagccat gttctcaata tgaaaattag cagccgaatg ctcaaaatca gaatgttcag 120
 aatcaccagc aacaaaatgc tcagaatgca tggaatgctc ataatgctca aaatgatcag 180
 gatgcacact atgcctaact aatctatgaa aggttctatc tatttcagga tcaaagggtt 240
 gcaaatcacc tggattgcc ctagtcatgc actatatgca gcaaatcatg tattttctcaa 300
 acaagcacca ggggtaaaaa ggggtaaaac tacaactata ctctaacgat attgaaatga 360
 gctgaanatt tgtgagcaac accct 385

<210> 24308
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 24308

tctcccccaa ttttctataa atagggggag aagtgatgtg aaaaagggtt cagcccctta 60
 ggcacttctc tctctttcga atttgcttgg aaaaattggt tccgtgaaga aaatccaagc 120
 cgaggcgctt ccgtaacggt tccgtgagga atttcgcgaa ggtttcgacc gttcttcatt 180
 cgtttctcat cgttcttcga ttttcaacgg gtaagtacct cgaaccaagc ttttcgattc 240
 attctatgta cccgtggtgg tccacattgt gtttcgtgta tttttattct cgtttcattt 300

actttttata cccccctttg acgtgcttaa gccattttat ttaagtcatt tctcgcttaa 360
cctacaaata aaataaattt ccaccgatcg tttgaattgt atta 404

<210> 24309
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24309

gaccccantt gatgccttgg atacccttga gaaacccagc naantctagc tgagacccgg 60
agtccacctg cgggcacccg agcttgtgct agatatacnat aagcactact cggctgcaag 120
gaagatccgt tagaacctcg aagcttatca aatccttata gctttaggca atgggggatg 180
acacaagtta agtttttggc cactgtaaag tggaggagcg agcacagctc atctgtgatc 240
gaacgaatta ctgcgacctg attaggtaaa cagcactaca atgccatata gtagaagttg 300
aacacgacag ctgggggttaa agcagaggag accaacgaat tgcacaatgt gaaaatgaca 360
atataatgta gaaggagtgt ttctacctgt agatgagctt atggatccta gacgaacact 420
agacagattc ttactgggag aaagccacca gtaacactga act 463

<210> 24310
<211> 404
<212> DNA
<213> Glycine max

<400> 24310

tgaggagcat atagcctaag atattcatgt taataatttt acatgagtat gagacaataa 60
caattttaaa ttattcattt atttttattt ttatttgtct ctttttatca cgtcataaat 120
cttataatat ttatatttgt tattctctct tcatgtgtct tattcaagtg ttttatatta 180
taatgagtat caataaaata tttttatttg ttatataaca acaaactctaa tatagataac 240
attcccattha ataattaata actaataata ataaagataa aactgacaca aggcatatag 300
tccttagaaa taaaacgtct aaacctaata tgaacaata acttatgcaa tgattcttca 360
ttagtcaaga cacagagaac aaagaacgta aacttgaaca tcat 404

<210> 24311
<211> 383

<212> DNA
<213> Glycine max

<400> 24311

agctttcacc ccataattcc cccaaatttg ggcaaatttg ctttgaacca aaatttcctt 60
ttatgaatga tgctccccta caacctaaga caaggtagaa ggagataact gtacaggctc 120
aaggttcaat caaacaatca tactttcagc tcaaaatggg tgcaagggat aaatcaatca 180
tgcacaaggt aagcttttta gctacgtggc tatcttcaat caaaacttgg ccttcatcat 240
cttcaatttc acgcattcat tccataactca gagattcatg caaaaaccat tacttaatgt 300
tagtcgttct ctcacaatta aagatcacac tctcaccggg ttgtggctaa tgcgttcttt 360
cacaatcaaa ctgtcaaact gac 383

<210> 24312
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24312

tccttatnt caatagggaa ttctatctat ttatctccca tccttaatgg aaaagggttac 60
cactactgga aaactctaata gcacatcttt attgaggcta tagaccaaaa tatttgggaa 120
gccatacaaa gacggcctta tatacccacc acagtagaaa tagttacaat acatgggtccc 180
tcacttagtg aaagcgtaac tatagaaaaa cctaaaaata gatggtctga agaggatata 240
aaaccagttc catacaactt accagcgccg aacataataa catctgccct cgaatggatg 300
aatatttcac ggtttca 317

<210> 24313
<211> 384
<212> DNA
<213> Glycine max

<400> 24313

agcttatgaa gaattgttga caaggctagg tgtcaagcac ctctgactt ttgtcaaaca 60
tccccagacc aacgattagg tagaggcagc caacagagtc atccttaaag ccttgtgcac 120
aaggcttaac aagtccaagg gtttgtgaaa agaaaaactt cctagcatac tttgagcata 180

acactgttca cccagtcac caaccaatga aactcatttt cgacttacat acgacacaaa 240
caccataatc cccgtcgaag ttgaggaacc atcaacaaag aggttggttt tccaggaaca 300
acaaaacaaa gagaacatgt ggggtggaact agagacaatg gacaaactcc aagagatgga 360
cagaatcaaa gaagatgcc ccaa 384

<210> 24314
<211> 325
<212> DNA
<213> Glycine max

<400> 24314

tatcttctaa acactgcagc cttcacgtta tccaagccta ttccgccagc ttcaatgccg 60
caacctgaac ctattccgcc agctccaatg gcgggactgc ccacgtatgc atgtcctgcc 120
aagaagaatg gcggcatgca ctgaagccac ttttctcgtt cctactcagc cctataccgc 180
cagacgaatg gcgagttaag ttgagttacc ccctgtcccc caaatgctaa tagcggcatt 240
acctgtcccc ccattggctc tggcgggttc aaacttcacg ccattgataa tggcgaacac 300
cacttaccaa agagaccccc ctgga 325

<210> 24315
<211> 383
<212> DNA
<213> Glycine max

<400> 24315

agcttgccat tagttaacac tgttccatta taattaaccg aagtgtcaaa cattttcatt 60
caaatcttgt tactattact attttaagcc tcccctttgt tttcattcaa atcttggtac 120
taaaaactat aaaaactaca aaaacaaagg tcaacatgta aatactatac aactaggcaa 180
acaattttac ctctttttgt tcaagtatct tatccaattc tttgagctct ttatccaatt 240
tttcttgaag ggatgagtgt tctagctcct ttgtgtcttc ttccatttca tctacaaaca 300
aggtacatac atttaaaaac catcaataat taggataaaa tgccaatgca caaagagaga 360
aaaatgaaaa ttaaggagcc caa 383

<210> 24316
<211> 401
<212> DNA

<213> Glycine max

<400> 24316

cttgaggagt ttattgatct ctgaataaaa gagcctcttt ttttggtggt agttttgttt 60
caaaaaccaat tcaatgagac ctttggttgt ggtttgaatg gttcaattgg ctaacttgat 120
ggttcaacca aggacaaacc aaacaacatt aaaagatacc aaaaatctgc aactttgggt 180
aaaatgtgat cttgaatctt catttctggt atattgctaa ctcatctcat gtatattaaa 240
cttgatatttc acaaaccttg tcttacaagc tacactactt aaccggaaat cctttgatcc 300
tcaaacatca caatgggtttt aaaaatagta taagtgttaa aacaccactt tggaatctaa 360
taatgggctt gtgtagttgc tgaaccttc acatctggct g 401

<210> 24317

<211> 350

<212> DNA

<213> Glycine max

<400> 24317

tcaattcaaa tctcagagag cgaatcttgg gttattctcc ttcacacaaa gggtacaagt 60
gtctagctgt tgatgacaga atgtgtatct ctaaaaaatgc catcttcaat gaaaatagct 120
cccttatcc taccctatct cttgagccat tcttagcaac ttgaggttcc taattctaca 180
tccacctta ctgtgttacc ttcctctcag cttgcatcat catctagtaa cacaataac 240
accttatect cacttcatct cattcatcat ctgtttcacc tgatcacagt gaacagcatg 300
cagcttecta gcacttttca ttcacaaccc ttgaatgtca ctgatataga 350

<210> 24318

<211> 373

<212> DNA

<213> Glycine max

<400> 24318

agctttttat aaatcactac taaaatctaa agatgatctg aagttcaacc aaagttctca 60
gtgcgctttt ttcttttggc catgttctta ttacgttta atgtttttgt agactgtgag 120
tggaaggcgc acgccggtaa catatgtggt gcatcatttg attggagctg cagtggaaac 180
tgtaagtcag tggagaagat taaatatgtc cactctaagt gtggtgaagg aaatggagca 240

gtttggagtg ctctatctta gattgtttct aaaagggaga tggttttttc tggttgggag 300
 aggatataat tgcagctggg acaaagacaa agacagtttt cagatttgag attgagcaca 360
 taggtataac atg 373

<210> 24319
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24319

taggtcagtc tgactgtgac aatccatttt attataatga agcatccatt cccaatgcaa 60
 ctgaaatggg aattttatct ctgaaatcta ttttcctttg attccttgag tgattaaata 120
 gtattctaata acctaattct ggatgattga atgttttaag tgtattacaa agggctctgaa 180
 gtttgttttg ggatttggtg ttttagattag ataggctaaa ttttacctga tcatataagt 240
 ttgataccta attaacgact caatactatc catgctatgt atatttgctt gttcccatct 300
 gtttcctttg caaccttgaa caacatgact aatgttgntt tcttcctttc tctccttctg 360
 atttctgtta accctctaca agaacattgt tatcattttt gc 402

<210> 24320
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24320

tatgcaagct tgaaagagcc cgggtagtca aagagaagtt caagtctata gccatcaaag 60
 tctgaagaga gtatgaagaa ctatgggacg tcgatatggc caccgatgaa gccttgtaat 120
 gggaaaccaa gaaggcccga atggaagaac acaacaaaaa caaagttttg aggggcttta 180
 tagggcatca atagtgagct cagctccga agaggtgaaa ggaatcatca cgggtcaaag 240
 gcatgatctt gaatgacgag ctaaaggctt gccttatgtc gaaaagaaat ctgtcccaac 300
 agttaagcga gactgtaagg aatatgtggg ccatcatcga tgagtgcaaa gagaagctaa 360
 atctagcagc gactcatgag c 381

<210> 24321
 <211> 341

<212> DNA
<213> Glycine max

<400> 24321

ggaaggggca cccatatttc ccaactcccag tatctcttct aacaaaatca ttcttcctac 60
acctatatgg accattcctt tcacaaccaa ttaacacata tgaactcctt gctctactac 120
taatcaaggt gtgagacctc ataatgattg caacaaatac attttcatga gcaactgatc 180
aagcccattg cataacatca tctcggatac caaacaccta taatgcaacc taaacaattt 240
tagtcttcta caacacattc attttatcaa atccctcaca ataatgaaca ttattactcg 300
agaagcattg aacgcattcg aacaatcaac atgttggttca t 341

<210> 24322
<211> 381
<212> DNA
<213> Glycine max

<400> 24322

tgtttgcaag cttaatcccc tgagaattga gggtagggga tttgccctgg attcaactag 60
ggattacttt ccttatcacc cttatgttca atatgttcga taaataaaaa tagtgttttc 120
ttttttgata tgtgcatgag agtttcaatg ctagtgttca cacaaatgta ttacacaaaa 180
gtacctatca cataaagagt ggctatgcaa ttcagaatgc atcaagaagt ctaagattgc 240
gtggctacat tctttggaac caaaggcatt gcatggaaaa attactacat acccatatct 300
aacgggaatt tctatttacc tgcttgccct ttgtgagggga gatgtcacca catgttatgc 360
tagatggtgg aagtacccca t 381

<210> 24323
<211> 550
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24323

tctacagcca tcattantat tctanantan gtatttatta gnagtactgt atgtatctct 60
tgtaatagca ccgantacgc cantatacca cccacacata gacacacacn ccgccncttt 120
tgaaccctng ttgaataccg ttgctatcta cgcgacacta tanaatactc aaacttttgg 180

cggttagaat ggaggggccc aagaataccc tgtgttaacc ctgggaaaac cggaaccatg 240
ccataggcct tgcactgcag gcagacttag tccagcactg cctttcttca tgtgattatc 300
aatgattact tctggggcac tcacctctg accctctggg ttctgattct tgacatcaag 360
aaaaaataaa tgctggatta caatcacat ctcttttata taagtgtgga ataactacta 420
tcttccattc atttccctaa aatatcatga aatatatctc tctctattcc ttttaatacct 480
gttaaaatca aagaataaga ctaaatacgc ctataagaat ttaaaactca attcacctga 540
aataccctcc 550

<210> 24324
<211> 375
<212> DNA
<213> Glycine max

<400> 24324
atcttctatg tctctcccag tggggactgt attcgatcac cattcaattc taacatgtca 60
ttagcctcag taacttaaca taacataaca ttaacagcca ccaactcatc aacaccatcc 120
atctctctct ctctctctct ctttgagtga cattagcttc gatatgacag gtattaattc 180
acatctatct ggccatcatc ccgggtcaaaa agagagaata aatgacccat tatcatttat 240
tatttattaa tctactttaa ttctatagca gtactagtat tcttatagag ctctcaactt 300
gatattttaga gagcaacgtc actggtaaat cttttccttt atcaattctt tattgggtgg 360
gtagggtatt ctggg 375

<210> 24325
<211> 279
<212> DNA
<213> Glycine max

<400> 24325
gaccaagaaa taagcttgtc tgttgatatg cgactttatt gagtttttct tttaggacga 60
aagcaggcct tataccaagg catgaacatt gacctccttt gtaatcaatg agtacatgac 120
tgatatatca ctctttaaag ggtaagatat cataaaaaat ctctgtgtga tacgaacatt 180
attgatatta cacatctaatt ttatatgtga tgtaatgata ttacgaataa taatataagt 240
tgtgaaaaaa ataattaatt tttatggaac gattactct 279

<210> 24326
 <211> 508
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24326

acaaccgccc cgaaccacca catggcaaac tgcgatgcat acctaacccc caccaggcnn 60
 cncttgagcc ctgaagcctg aagcaccgga cncannngcg cggccccggg gccccacagc 120
 caacagcagc cgcgagcctg cagaaaccca ccacggccat agaggagcgc gagggcaacc 180
 acaaagaccc aaggccccctt attcttcttg gcaggcgctt agcgacaaac aacgcgtgcg 240
 cagactaaga aaggaatgcg caggccacca aaaaaagag gagcgtcagc aaaagagagc 300
 ggcagcggaa gaagccaccc accggagaag accaaagagg atcgcaccca acgcggtggc 360
 ggaaaagaag ccacacgcag cgctccattc caaagcgaac ataagaagga gatagagggc 420
 cgcgcttgga agaagagaaa acccaggcgg aaggagagaca aacacagtca tcatattgga 480
 gaacgagcga ccgcgataac atggatag 508

<210> 24327
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24327

tataaagaag tttggcagtt cttgccttac tttttggttt tgtgggattg aattaatcaa 60
 ttacgtctta agtccaaatt ctaagatggt attaaagctt atcctagatc aattggtggg 120
 ctacctacat ttgccacgct ctatgctagt aaccatgggc gtgagagggg gtgatgaaaa 180
 gctgccttaa ttgtggtaaa ccctagcagg gccggccttg gtggttggtt tccgatgcga 240
 ccgcccaggg cccatgacta aagggggccc aaaaagaaat ctagatagct atagtgtgag 300
 gaggaaaaaa aattcaatga cttttagtgg caactctatc tcgtcggcct tctaatactc 360
 ctttaattct t 371

<210> 24328
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24328

agcttaagaa atagaaacaa tgataaacat ttatatctaa cattgataaa tatttatcat 60
 ttaaaatcac atacaacaca tcattttatat ctatgcacaa tataaacatt ttaaaatttc 120
 aaaataagat ttcacaaaaa aaaaatatca gaataggaca atgaaacaaa atctgatttg 180
 gttttaggac aacgaaaagt aacaattcca taagctgaaa atttaagctt taagaaaagg 240
 tctactgaga gctttttactt ttgtaaaagc taaaaaaaat taataagcaa acactcttaa 300
 gaaataaaga aaaccttttt ttagaagata agatgccgga aggtcttttg gggtgcatcc 360
 aaacggat 368

<210> 24329

<211> 340

<212> DNA

<213> Glycine max

<400> 24329

tttaactgaa tttgcaacgt tccaattgct ttttaaattgg tgtaatcgat taccagtgc 60
 tctgaacgtt gaaattcaaa tttaaattgtg aagagtcata tcttttcata aaatgctttg 120
 tgtaatcgat tacatggttt tggtaatcga ttaccagtta cacgttttga atagaaagtc 180
 aagagatata actctttcaa tggttttcag ttcttttctca aggttataac tcttccaatg 240
 gttttcttga ccacacatga agagtctata aaagcaagac cttgacttgc atttcaaaga 300
 gacttacaac tcttacaact ttttgaacat ctctttgaac 340

<210> 24330

<211> 380

<212> DNA

<213> Glycine max

<400> 24330

agcttgctca atatgtgttt actacaacca atgcatatac ctattcattg ctttgaacta 60
 tcaaaacata ttcaacctac cttgaatata atattctatg agtagctttt gaagtagtgt 120
 ataagagtat ttttgtatgg ttattattga aaaactatct tatgaaaagg atattgttct 180
 ctctcaacaa ctcttctctga aattggatct ttgatatact ttacaacttc aaatgttgaa 240
 tgctcttttg caagagaaaa gtatcatagt caattaagtg tcaactattca acctcatttt 300

ctagtacct tttgatccac ttcacttagc tgggtgaatt gattgataat gtatgaatat 360
gccaacctt ataaagactt 380

<210> 24331
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24331

ctatacacia ctcaagcttt gtaacaatcc aattttcacc ttatagaaat gaatctttta 60
tgtcgtctgg tgtattntaa gaggtttaat cattttaata tttttaataa aattgaaatt 120
ataatttttt taaaataaga ttgtttggta tgaggaaatc aaaatgcatg caattgaggt 180
tatgtcttgt ttgatatttt aagcatacta acttttgatg tgattgcaa aaattatata 240
tatcttcgtc cttaaataata acattatatt aatttggttt gtcttttttt ataaaagtct 300
ttctaagttg acttttgcac taattttttt acccagatat ccttagttat tctatagtag 360
atgttatgta ctactgaaca gataaatgta taatatctca tcaactactat aaaaaagatc 420
ttttaca 427

<210> 24332
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24332

ttcttgtaat ccactctttt ctgtcctcat tcacacttat tttttccncc ccaagcgcn 60
ttgagcctga acctggcaac cagccagccg gatccgaaga ccaccgcaga gcagctgtca 120
aatcttaaaa aacagaaagg cggctcacat gtcggtgatg acatccctcc tctggctgaa 180
gtaagagact tgatctttac caccgtgggg cgcaaaggca ataacttgat ggcactcactg 240
catgcgaagg tatctgcgct gactatcatg tgacatatta tgcagctgtg gtacgtagcc 300
tgactacacc aattaacatg ggtgatgcta tgagccattt acaagcttac tcccacatga 360
gggccctagg aatgaacaac atcctcttgt atgctgcagga caagtgcctg accaattcaa 420
tcgtgcaag 429

<210> 24333
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 24333

actcaagctt ataaactttc tgcgatgaaa tctaacaaat aatatttttt attcatttct 60
 cttatttctca tctcactttg ttttatgacc acaacacaga caaggagtga ggcatagtct 120
 taaaaaatta aaataaaaga tatatggtag gtaaaagtta aatagtagtc atattcggct 180
 aaaacataat aataatgtag tttataatgt tagtcaagga ataaaatagt tcaattgtaa 240
 agacaaaaag taggcatatg gttataataa gtatacatga tttttttcgc tatatgttcc 300
 gaatgtgaat ggtaggatg atgaactaat ttatataatt aaggggtgtg tatcttcttt 360
 ttcacacaaa gagatttaaa ttaaaattct ctattattta attaaattcc tttgatat 418

<210> 24334
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 24334

agcttgctt gcccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
 ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120
 tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
 tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240
 aaagattttt gaaagtgttg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300
 acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360
 tcattgagag gtgct 375

<210> 24335
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 24335

tcttggaat cctcattcca gcgatcagtt tggtttttgc gtaagagttt gaacaacggc 60

tcacaaatgg cggtgagctg cgatatgaat ctggcaatat aattcaagcg tcccaggaaa 120
 cctcggactt gcctctctgt acggagttct ggcatctcaa ggatagcctt caccttttcg 180
 gggcttacct ctatcccttt ctggcttaca acgaaaccaa gcaatttccc tgatttgacc 240
 gcaaaggtag acttagcggg gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300
 ttccgctggg tgacaagggt ttcttctcgc gatttagatt tagcaattat gtcgtccacg 360
 tagacctcga tctcttgatg ca 382

<210> 24336
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 24336
 agctttgagt agtgacaagc acttattggc acataaacac gtgccacaaa attggtctct 60
 ctgttgatca taacatcttt ggcagtgcga ccacgttctg atgccactgt gctggataca 120
 ctaggcacaa tctaaggcct ttctacacgt tcatcactgt ggactcttat gactacttgg 180
 atttcttcag tgatgatttc acgttgcctg ttagtggtgt cagcttgatg gatgtgcctg 240
 agtgaaacgg cagccatgtt aagatattga taagagtgaac acctcgaatt ctccttacgt 300
 ctgagtgatg acatagtggg gttatgattt gctcctt 337

<210> 24337
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24337
 agctctgaaa gcatgcgac tttgacacac gatatgtgaa cttagaacaa ccttgctact 60
 gcctcgacag tctcctgcga gacattogga actcgtgctc tctgacacta actgatgacg 120
 atgacagcga ctaaccacct ggaccatgga aggagataca ggaatgcctc tcctatatta 180
 acatgcccta tgaagcttac catctctagc ccctactcat actcgtacaa cttagcagcg 240
 catactgata gctagagcga tgaacacgac gcttataact tctgatgtac ctcccttgac 300
 gtgaatcacg cacatatatc tatgaatacc atacagacta tctaacaggg atgaagacct 360
 atcatgaatc 370

<210> 24338
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 24338

actcagctta ttatattatt gttaccaaca tgccgaagtt gtctttaatt tttattctta 60
 aaacaaatat cttaacaaac atgcctcgac atgtaaattg taatgcaccc acacgcgcga 120
 cccttgaatt tgtcaaaca cgataaaaac ctgatgctgc ttgctagttc tcggtacatc 180
 attctggcag acccatttga ttattatggc ttacgtatat tttagtacta gcaatgtaat 240
 actgattagc ttttaattact ttttttgaaa gtcaaataag atatattcat t 291

<210> 24339
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24339

gctatataag ctgaaccatt ttatctttta agacatgttt agttctattc agaaagatag 60
 agtctatctc ttttatctta ctgagagtga ttctoctata ttcttgagtg attcaagaac 120
 accctggctg tatcaaagga ctttcacaac ctttgtgtgt tgccctcgct ggaaagagtg 180
 attctttcct tcctttcatc ttcacccttg ttctttcaaa ccacaattcc agagaatcca 240
 cctctgccca gaattatctc gtggccataa ctcccattgt acgcactcaa attaagtgat 300
 tcttgagcct atattgaatt tcaaaaacgag accttcaccc tcgttttgga atcacctcat 360
 ttggagccct gcattcttcaa ttatt 385

<210> 24340
 <211> 539
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24340

ctctactctc cgtacgtctc tccgcttcac gcacgatttg cgctgaatct tagattaaat 60
 cttgntactt cacaccacac acgccacacc tgantctttg aagcattgat ccctcggcga 120

atctcactcg cgcccggaga tcctctagag tctaactgca agctatctta tcttgataag 180
acgaattgaa aaaggcgaac ttcttagtac tcttgacaca atacggtacc tgaaatatgt 240
cgcggggggtc agaaaccttg tggatgtcat ggggggtgct attaccata tccaagcatg 300
accaatcctg acccaaccg gacatagcca agcagtgaga tacctgcgat gtacctaate 360
aagcagagcg tcttgtcagt caacagataa aacgaactaa taccacaagc atggaggctt 420
gtgaggtggc tggccaactg tcaatcctgc gtgatatatg gggttatggcc tctgggtactc 480
gattaccatg ggtgggttat cgattacacg actataaatg aagacaggag gttcagacg 539

<210> 24341
<211> 281
<212> DNA
<213> Glycine max

<400> 24341

atgctattcg tatcttgcga agggacatga tcatttttagc gatattcaat ccgagaaaat 60
ccaggcagag acaatcaggt aactgtaacg ggccaattt gttgcgcatg tcattttctg 120
ctttaagtac ttggggccgg cactaggagg ctgaccctga tcaacagatg ccatttcacg 180
ttctacaagc ggaagcgcta tggaggcacc tagttccttt aatccctact tatttagtgt 240
tggtcttttag gtgatggcgg atcctaatta cctagggtt t 281

<210> 24342
<211> 355
<212> DNA
<213> Glycine max

<400> 24342

gcgcggtttg catgcttcac aacacacata cagaggcca tcggggaata gaaagacgct 60
gtcactgaca atatagttag cgcaacggac gacgtgaaca atcagcctat acctagcaca 120
cataaccatc tactgtttta aatactagcc ctcaaagcta aaagtctgga taacaatata 180
tgcaagcgta tcatgtgatc atctttatctt aaaaaaggg attctattca atgacctaac 240
acctcaacct ctccaggaga atacgaaaag cgtcggatcc gaagcacttt gaaattatctt 300
cgcttcgga tgcattgatac tgaggcatgg acatacatgg ggcacaagag tacga 355

<210> 24343

<211> 374
 <212> DNA
 <213> Glycine max

<400> 24343

agcttatgca ttgctgctta ataaaagaag agaaggatgg taagccttgg tacttcgata 60
 tctaatagata tagcaaaaac aaggaataacc cgcgggaggc ctctggcaat gacaagagaa 120
 cattgcgaag gttggcggtt ggcggttggc ttcttcctaa gtgggaatat cctatacaag 180
 aggaaccatg acatgggtgct atttcgatgt atggacgtcg aagaggctaa gcaaagtctg 240
 gtagagggtgc atgaaggatc atttgtaaca catgccatgt cccggaaaat tctgagagcg 300
 aggtattatt ggctcactat agagagtgat tgttgcaccc atgtgagaaa atgccataag 360
 tgtcatgcct tcac 374

<210> 24344
 <211> 524
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24344

ctcccacaac actatatatg aaattaaggt cantcgtatc tcgattctct gcgccggcac 60
 aaactccac gcccgacgcc cctggacccc cggtgaaacc gttgctacaa ccgcgacacc 120
 atannaaact caagccttgt agatatagtg gtggctagtg agatgatcca attttctttg 180
 tgaagaagaa aattcgatta tgctgctttc atgaataaga agcctgacac ccatggacag 240
 aatcataagg aggggggaaac ccatgttggtg actgttgctc ctacatggcc aaattgcca 300
 ctagctcaac acatatcaat acctagccaa tatcagtcct ctttattacc cccaccccct 360
 ccagccaaga acaccaatc attcccgaaa gccaacccct aattaaccac caaacccgcc 420
 tggttgcctt ttcaagccct aacaccaccc tttatatcga acccactaca cccaaccacg 480
 gaaaggatat ttccacaaag aaaccttgta gaattcactc cctc 524

<210> 24345
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24345

agcttgccctt ttagagggtcc aggaaggaca aggcggcgga aggaactagt tccgctccgg 60
 agtacgacag tcaccgcttt atgagcgctg tacaccagca gcgcttctag gccatcaagg 120
 gatggtcggt tctctaggag cgacgcgttc agctcaggga cgacgagtat actgatttcc 180
 aggaggaaat aaggcgccgg cgggtggacat cactgggttac tcccatggcc aagttcgatc 240
 cagaaatagc ccttgagttt tatgccaatg cttggccaac agaggagggg gtgcgtgaca 300
 tgagatcctg ggtaaggggt cagtgggatcc cgtttgatgg ccgatttgct tgacttcttg 360
 ggagggagtg gaga 374

<210> 24346
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24346

tctatctagc caagatcata caattgtgtt acaacatttc ctcacggnat ctaattatgt 60
 gggccattaa atctatcatg tgttgacagt agttgactag cccgcgaatt tcctctaagg 120
 ctgaacatac ttccggcgatg gcctttgctt tggctagtag acgcaggagg tcttgacttc 180
 catttaatgt caaggcgaac ctatccatcc acatgtgtgc ttcttgatgc aatgcatcaa 240
 tcacccttcc tcttgcttcc ttctcagcgc acgcttgggc caagtctctc actaatattt 300
 gttcatgggt aaaagactgg tttaactctt ctttgtactg ccctattata actagcatgc 360
 tttgcttcca 370

<210> 24347
 <211> 547
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24347

tcgcgtacac acgtcacana catcncagta ctgtgttact actgctgaga cgactagctc 60
 gantttaaca catcgnacc actacacacg agaagagaac gttttgacac ctggnagctt 120
 gaaacatagt agcgcattca accgctcacg gcgaaccatc agagccgacc ggcattgtctg 180
 cacgcttcag cattgacggc gaattaaaga agagaaggat ggcaagccct agaacttaga 240

tatcacacga tccagcaaaa acatggaata cctgcgggag gcctctggca aagacaagac 300
aacatggaca aggcctgcag aacgtgcgaa ggcataccca caagcggaaa catccataac 360
aagaggaacc atgacatggc gctacaccca cgtatggaca tcgaagacgt caagcaaagc 420
tggtacaagg gcatgaagga tcaatcggaa cacaagccat gaccagaaaa atcgcgaaac 480
caagcatatt ggaccactat aacatgatcg cagaccaagc aaatacgcca tagcgtagcg 540
ctaaccg 547

<210> 24348
<211> 385
<212> DNA
<213> Glycine max

<400> 24348

agctttgtca tagtgcattgt gaatcctagg aacacactct tttaaacacc ctttctctaa 60
ttggttaaaa tctattgaaa actacaaagt tgggagaaaa tcattaaata tgatgtagga 120
cccacaaaat tgtcagtttc aataaatttc aacttatgag agtgtgttaa aaaaagtgtt 180
gcatagtgtg ttcccaatat ttctctgctt ggattactgt cactctgaaa caaataatg 240
tgcagcatgg ctgatcaaaa tgtgggtttt ggtagtggag cattttgtcg ccagtaagct 300
aaatgctggt gatattccaa tttagttcgt tggttaattt agtccatgta ttggtttagt 360
cacttggttg ataattttga agtac 385

<210> 24349
<211> 407
<212> DNA
<213> Glycine max

<400> 24349

tcacattgta caactcctgt tacgattaaa acgaccatta aattcaaaat attgccaaaa 60
acaattaaat aaagacaaag cgaaacgaaa taatttaact tacttcttcg agcaaaactt 120
tttgtttctt caagtcttct atactttcaa gaaaaaatc ttccttgagt ttcttcagtt 180
gacacaaaac ccaaaaatca tataaaacat ttcgaagaag aagaaagaaa aaagcacagc 240
cccaaaaccc taaaaaaaat atagttatgt aaaccatttt ccttttggtt tcaatcaaaa 300
aaggcttgta gccggcgcgg aagagaatgt atggggcggg gggaagactt tttgtatcag 360

tacaatgcac ataaatataa ttctgatatc atcttctatt ctcacac 407

<210> 24350
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24350

ctcaagcttg caaagttatg tctcgatatcg gtttaattga ttatattctt atcgttatcg 60
 attacatagt ttttttttag acaatgattg atttatttag gagtctctgc tttactcggg 120
 tatcatgaga tataatcgat tacttctctc tctataagtg ttttagaagt gaacaagaac 180
 actttaatca attactttga gtatctaate gattacattg gtcttgagtt gtttccagtt 240
 tttgggaata acactttaat cgattaaaaa gataatctaa tcgattactt cattgaatta 300
 attgattacc ttatagattt aatcgattac aggcagttat aactattttc tctataaata 360
 accatcttgt gttctctcct anacactaca gaaac 395

<210> 24351
 <211> 383
 <212> DNA
 <213> Glycine max
 <400> 24351

agcttgccac ttaccagtag aaatggagca taaagcataa tgggctttga agtttttaaa 60
 ttttgatgag gctctatcag gggagaaaag gaagctgcaa ctcttgaggt tggaagaaat 120
 gagactaaat gcatgagtcc ttcaaattgt acaaagaaaa agtgaaggct tatcatgaca 180
 agaagctgct aaagaaatac ttccgatcgg gtcaacaagt tctattattc aactcaagat 240
 taaagctggt tctaggcaag ttaaaatcta aatgggtctag accattcacc atcaaggagg 300
 tcaagcctta tggagcagtg gaattatttg accctcaatc agaaacttca gatagaagct 360
 ggacagtaaa tggccagaga ttg 383

<210> 24352
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 24352

tctaaacttt atacaagaat gaagctctga taccacttgt tagacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tccaaactac ttccccaatt aaaaatctat 120
ttcacttttt attcaagtta taaattacct taataatgaa cttcttaaatt attgattcaa 180
ataaaacaat ttgaatataa atataaagca ataataaaca aaggagatta agggaagaga 240
aagtgcacaaac tcagatttat actgggttcgg ccacaccctt gtgcctacat ccagtcacca 300
agcaaccgcg ttgagagttc cactatcttg taaattcctt ttacaagttc taaacaca 358

<210> 24353

<211> 379

<212> DNA

<213> Glycine max

<400> 24353

agcttggcgc cttaatgtca gaatgaagtc actcatgaag tacgtttcat aagagattgt 60
gttggcagta ccttgaacct gattgttaatt ttacattga agaatatgtg gggatttaaa 120
aataataaca cttgttttaa gcttattgag aacgtgaatt caatatcaaa atattaccac 180
atttaatctt gctaaaacac ctatagacta gagattagag attaattcac atttcacaat 240
cattgttacc aactcttgga ctgcttgtgg attgatagaa ccaatgtaat gttaaaggcag 300
aaagaacttg cactactaaa aaattacttt gttacgacgc acattcaaag acggttatac 360
ataatcatct tagaatgtc 379

<210> 24354

<211> 405

<212> DNA

<213> Glycine max

<400> 24354

cactatacac aactcaagct taaacacaat tatgcaacat aaaatagaag ttgccatttt 60
atataatata tttaaaatgt gctctctaag ttgataccta acatcataat aacataagct 120
gattgogatt tcaaagttct ttatactctt agaaaaaagg tccatacact ctcaatttct 180
ccttttcttt catatcttat gattaagaga acacattctc aaatcaagaa aacaaaatca 240
tatgactgaa tcgaatactt atcttctaatt gatgtttctc tgttcacaaa taaaacccaaa 300

tggttgaact tagttaagtt ataatcacta ccatgaatag cagaaaaagg tcagtcatca 360
 taaattgaat taatcatttt tacaccctaa gaagtaatca taaca 405

<210> 24355
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 24355

agcttgacag acttgcaatt ctcacaccta tcgagggttac cattctcgac atcggacaac 60
 attcgtccat gcttgggggc ttgaaaaact cggcactctc ctacttgtca agactgccac 120
 ccccggcac atgcaatctc atttgacact ggacaacctc tttcgctcgt aagccggctc 180
 atagcttggg ggacttatgt actgaccaga gatcacaaaa tacacgagac atcttccatg 240
 gtactttgag acacacgtaa accctccatg ttagctctag cacaagagca cgggcaccta 300
 gcccttaaga gtcaagcttc cggactgata ggttatctct gacctttaat tgttataata 360
 taatgtcatc ccttcatctc tt 382

<210> 24356
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24356

ntctctttcc ctatatattc cctttctcct tcacctttac ctccccaatc tgtttctgta 60
 cctattaacc agccaaacac taaccacacc tcctctgcac cactcctcg tagaactgac 120
 agaattcaaa ctagaccac caaatacatt gactatcaaa ccagtttcac atcagccatt 180
 gttaccaatc atccaggcac taaacacctt atttcttctg tgatttccta taacaagctc 240
 tcttcatctt atcacagctt cattcttaat gtctctgcta attctgagcc taagtcttat 300
 aatgaagcct gtaaacaatga ttcttggggt caagctatgc atgatgaaat ttctgctcta 360
 gagaggaata atacatgggt gctcactgat ttacctcaac ataaaaatg 409

<210> 24357
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24357

agcccattga ccttgatgct ttgaaaccag gcaanaccag cggagtcccg ggatcctcta 60
 gagggacggc aggtttgcat gtttatatag gaacctgagt aaacactctt ttaagatcct 120
 tcttccttgc gttgaacact ctgccaattt tataagggga gataaaaacg ttatattgct 180
 tgcacgcgcg cccatatacg agaggaatgg agatttctga atgctgtgta gtgcatacag 240
 ataaaaactc tggggattgc ctcathtagc catcggtgct tgctgacaca ctgagccata 300
 cattctactc gtgatgatt gcgtactatg ggtgacgaga agctaataca taacatggat 360
 tgtgactact cctctgtga gaacgagatt acaccgttta tgaattacca tggatttaaa 420
 ctgcattgct atgttgaatg c 441

<210> 24358
 <211> 104
 <212> DNA
 <213> Glycine max

<400> 24358
 gattctccca gaattgaaat gggttgcgag ttacaactaa ccttcttcac attctcggca 60
 aggtcaatca ttggaaattc acctgcaaga atgaagtatc aaca 104

<210> 24359
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24359

ctaacactct ctcacatttc tgancctacn ttcttgtgct gggatcatatt agattcctta 60
 ncnatttcga actcancaac ctctccccgc agcnnnnnttt gatcccttgg agtcggtgat 120
 tcctataagg cgaattcgag ctagtccccg cggatcctcg agagctacct gcagtctgca 180
 gctttgactt taactttact tactaacgtg acttttaatt tctaactcaa caatctatca 240
 aatcagagcc gctgatcaat aatacgcaaa caaggcatat ttctetaact cgtcaggctg 300
 tctcacacca tactcattct tgcctatggg accagaaatt gattttttta acaccatgac 360
 gatgataact tctgtaataa gatataataa catgtatttc gttttatcat gtattaacac 420

atattgaagt cctataaact gccaccacc tcaaaatgta cctcactttt gatgtataat 480
aagcgttttc atcgacagga aacagaaacc cggatggttt atgccacata aaaaaagctt 540
ggcctt 546

<210> 24360
<211> 467
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24360

gtgcgcccc ctttgaacct tgttgaacgc gtggcataac gagaccnnt nganaantaa 60
gcttatcgcc aatccactag ccctactgt aacttaaaat attatgttca caaagcctcg 120
acgagctttt gcataaattg gcccttctag aggaccacca ccacttccga tatttttctt 180
gcacacctac actattcatc tccatttctg aatccgcacc atattaaacc cgaggtggag 240
gcgctctgat gggtcatact tcctttgggt ggaatcttca agatcaccca cattctgtta 300
atatcacctc cttttaaaga catgaaatgg ccaccatcg cttctttta catggaggga 360
cctgtgttgg ctttgttaca gtggatgacc ccaaatggc cgcttacctc aagggctggt 420
ctccttaagc attggaggct cgtttgtgcc cgccacatat gaagatt 467

<210> 24361
<211> 361
<212> DNA
<213> Glycine max
<400> 24361

agcttgtgtt tttggggtgt aagagagcac acaagtgaga gcatattagg tgggactccc 60
cgtaggccca acacttgata agcgtgtgc gataattgtt tctttgtgcc taaatgatgt 120
gaaatgcttg ctgataataa gtatgtgtat tgggtaggta gtaaagcact ttgccaatat 180
gcatgggcgc tggaaatggc atgaaaaatg cttcttaaac gggaaactat ggcgagaaat 240
tactctttaa aatgtgaaca agtagtgga atttctgcct ttccctgaa tgcgtaattg 300
cttttcaagt gaatacacat cagtacggg ggcaccacc accaccacct cggcaggccg 360
a 361

<210> 24362
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24362
 agcttatgct gcaaacattt acaacagacc tcctcaacct cagcagcaaa atcaaccaca 60
 gcagaacaat tatgacctct ccagcaacag atacaatccc ggatggagga atcacccctaa 120
 tctcagatgg tctagccctc aacaacaaca acagcagcct gtccttcct ttcaaaatga 180
 tgctggccta agcaagccat acattcctcc accaatccaa caacagcaac agccccagaa 240
 acaacaaaca gttgaggctc ctccgcaacc ttccctcgaa gaacttgtga ggcaaatgac 300
 tatgcagaac atgtagtttc aacaagagaa cagagcctcc attcagagct taactcgcca 360
 gatgggacaa t 371

<210> 24363
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24363
 tgccgcccag ctgcgccagg cgagctcatc tcgcccattc gagcaagggt gcttctcca 60
 aaagcaaccg ccttctggag gaatcttctg gagggcccaa atgggcctgg gtgctatatg 120
 cccccccatt tttactaagt acacccccct ctgctgtttt ttggtgatac ttttttcgta 180
 aagttacgga aacttacgaa tttcgtaacg atacttggtt tctttccgta atgttacgga 240
 accttgcgga ttacataatc atccgctttt tgacttacgg aatgttacgg aacctcactt 300
 aattatgcaa cgatgcttcc atttgatttc ccgtgtgtca cgaaactta ccgattgcgc 360
 atcaatat 368

<210> 24364
 <211> 370
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24364

agctttctct ttgcaaaaat tcattttttg gttggtgttt ttggtttgtg cgaaagggtg 60

agttcgtcat tggaagtgcg gtaaacagac tttgtggttg atttacggat ggcctttgtg 120
gataactggg cggtgggtaa ggagaaggtg tgttattggc tgagtaaaga cattgttggg 180
ttggtgggaa acttggccgt acaggaatgg cagtcacagc atgagtttct ccctcatcct 240
caccctctgt atttggcccta gctntctcat tcgtccaagc aggatgatta atattgcctc 300
ttttcagatc cacttcgac tttttgctga cgaataccaa atctgtaaaa cttgaaggtg 360
tgtaaccac 370

<210> 24365
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24365

cagctntttg aatcaaagat tctaattatg attgatacaa atacatattt atacactaaa 60
atctttaagt ctttgcataa taagaatgtg tttggatgag agaattttaa attttgaaaa 120
atttaaaatt ctaataattt caaatacttc aactgaaatt cttttatttt caaatttttg 180
tgtttgata aaaaaattaa atttgtgaga gagaaagaaa atgagtcgcg agtttgagaa 240
agagatttcg aaaactttta tgttggaaga gaagatgaat gtttgttata aaggaaatac 300
agaaactttt tagaaggaaa ttaaattt acatttttg ttgttaaaat tctgttttaa 360
aattccaaaa atttaaattc ttcataaaaa atatccaaat 400

<210> 24366
<211> 330
<212> DNA
<213> Glycine max
<400> 24366

tgagctatag aaatagccca aacaactccc tctagttcat gtgcgaagaa agaaagatat 60
ccacatataa aacatatcct cttataaag caccagagta atcatgaaat aacctaccat 120
atctaaggga accatgaaat gattttacca accttgggtg catgaatatt gatgttaaaa 180
gctttgatga cctgaaactc actcaaagag gatctcatac agcttgaagt aagataaccg 240
gccacaagc aacatatgag caaacataag gatcattgct tgctgctatg agacaaaaag 300

attatgaaag caggcttgat tgtggaactt

330

<210> 24367
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24367

ctttacattc attaatcaac aatttaacac gtatatgata tcaaatttcc tttttagagc 60
tatacttact aaaatctaaa gttgtccctt tgtacggtgg acgtggccaa agtaagctct 120
aaaaactcgc acgtcgaact gagagtagcc ctttgtaaaa aggacaagaa gggggacctg 180
caaaataaag gacttctgac ccttgaataa agtacgagag ttaacgtgag aaaaaaatat 240
tgttaaaaga gtgagataaa acctggtact tatatagtgg aatggaagct gcccgctcctt 300
attggttggg attgttaccg tgttgtaaca acccctgcag ataatgacta gcttgtagat 360
aattgtagct tacagataat gtgtaccttg tagataattc n 401

<210> 24368
<211> 366
<212> DNA
<213> Glycine max

<400> 24368

agcttcaatt tacaaccata ttgttgaagc tgtaataaaa gatgaagggtg gtatggtttt 60
tctctatgga tatggaggtg caggaaaaac atacatttgg aaaacacttg caagttcact 120
gagagctgac aataaaattg tcataatggt agcctttagc gccatagcgt ctctgctatt 180
gtcttgatgt aaaactgcat attcacaatt taaaattcca gattgagttt ttgaagactc 240
aacttgcaag atccatcatg gaactcaatt agctgaacta ttaactcaga caagtctgat 300
catttgggat gaagcacgca tggatcacat attcagtgat gaagcacttg atcacagtct 360
tagaga 366

<210> 24369
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 24369

ntgagggtgc gtagcccacc atcttttcat agtagagtat cgataatgtg tctaccatca 60
cgattatcgt ctccctttcc atcattgggg gtaccacttg ggccgccaga tccctccacc 120
ttttgggcgt gttctttgaa agatccgtcc ccctttttgc aaatgttctg tagttgcatc 180
ctatccagaa ccatatcaaa attgtactga tactgcctaa caaaggcaac cattangtcc 240
ttccaagaat ggactcggga aggttccaag ttagtgtacc aggtaacagc taccocagta 300
agactntctt ggaaggaatg tatcagcaat tcctcatctt ttgogtatta ccccatcttc 360
tgacaataca tcttttag 377

<210> 24370

<211> 379

<212> DNA

<213> Glycine max

<400> 24370

agtcttatgc acatttgaga gttcacatca agtgtgaatg ttattgaaat ttcactctca 60
agctactata ctatgtcttc ctatgaacga gctaattaat gctaataagg actacgcagt 120
tataatggcg ttaagttttc gttcacaaga cacacgcctc tgcattgtca tgaatgcact 180
gatctaagta gttatacgga tataatggca gaataaatat gcatgtccca acatcgatct 240
aatctatcaa ttttattaaa tctaatttaa aaaagcactg ttcttaattt cactatcata 300
tttatttagt taaatatagt taattaatgt ggcaaggctt ttgaatactt gctataatga 360
tagaaattat aatactgac 379

<210> 24371

<211> 335

<212> DNA

<213> Glycine max

<400> 24371

tggtagtga tatgaaatca catgtaagca tcatcaaaga tgccggagaag gtaatagttg 60
tgtacttgag ggggtgaggat ggatgccatc gaatatatct tagcggaaaa agcttcaata 120
ttacatcgga ttataccacg cccagatcta agatataaga tgtgggcaac acctaccctt 180
gatttacctt gtgaggatga gtgtcatcca aagcccatgt tatcgatggc ctctacgtgt 240

aatctatatc caatgggtctg aacgcgcgtc atgtatcaca cacactatat tatcaaatgc 300
gctagacttg gggcgggtgta aagataaatt ttaaa 335

<210> 24372
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24372

tgtacattag aatccctctg tcccgtgcaa gagatattat cgttgntaag ggaaaaaac 60
aagagaactc aagttatcca ctctatTTTT actaagaact acgtaggggtg caacattgca 120
cccatagaat aacacatgct agtatataaa catcatatat aagcccacga tttataactg 180
cgaaatagca ccttatgccc aagatatTTA ttagctaact tgtgatggag aaactaaaaa 240
caatcacatg tgaacttgta atagattatg acacatagta acgttttgca atcaatcttt 300
gaaacatcct tatattaatg ac 322

<210> 24373
<211> 360
<212> DNA
<213> Glycine max

<400> 24373

gagttttgct ggtttaacat tgtgagggac aacatgttgt aggccaatag aatgcgcac 60
cttcaagcgt gcgtaagctg tgatgacttc taatattctc gatcatttct aggtggatac 120
ctaagatgag atacctgaga tcgtggagcc agagctgatg tgaattocat ggttgctact 180
tctatcgctt acattgtagc aagtgatgaa gaactcagtt ggattatgaa tcctgcaaaa 240
cgaagacggt gtgacaggca acgccagaat aatatatgag cgcttttgag ctgaagacga 300
tgtcaaagat ggatgatcct atgaagatcc acataggaga ctacttccag ctctatgagt 360

<210> 24374
<211> 381
<212> DNA
<213> Glycine max

<400> 24374

agcttcaaca ttcattttt gagcgtctcg taattttacg ggactcaatc agacatccga 60

gtaaaaatatt attgtcgctt ggattggctc atagattcaa cattcaattt cgagcgtctc 120
gatatattac gggcctcaat cagacatccg agtaaaaagt tattgtcggt tgaattggct 180
cagagcttca acattcaatt tcgagcgtct cgatatatga ccggactcaa tcagacatcc 240
gagtaaaaag ttattgtcgt ttgaattggc tcaaagcttc aacattcaat tttgagcgtc 300
tcgttatatt acgggactca atcatacatc cgagtaaaaa ggtattgtcg tttggattgg 360
ctcagagatt ctacattcaa t 381

<210> 24375
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24375

ttgagcaaat tcaggcgaca atatcttttt actcgtatgt ctgattgagt cccgtcatat 60
aacgagacgc tcgaaattga atgttgaagc tctgagccaa ttcaaacgac aataactttt 120
tactcggatg tctgattgaa tcctgtcata tatcgagacg ctcgaaattg aatgttgaac 180
ctctgagcga attcaaacga caataacttt ttactcagat gtctgatata gtctcgaat 240
atatcgagac gctcgaaatt gaatgttgaa gctctgagca aattcaaacg acaantaact 300
tttactcgga tgtctgattg agtcccgta tacatcgaga cgctcaaaat tgaatgttga 360
agctctgagg aaattctaac gacaataact ttttactcgg at 402

<210> 24376
<211> 363
<212> DNA
<213> Glycine max
<400> 24376

tgtcttgcaa gtttgaagac accttggaga agttcatgca agcctcattg actaataaga 60
agaatagtga ggcttcaatt aaaaacctag aaactttggt aggccaacta ccaaggcaac 120
taatagacca ttttggaggt tgattttgag aaaacaccta atgaaatcct aaggagcgtt 180
ggaaggctat taatacaaga agtggaagga ttattgggag tgggtgtcgat gataacttgg 240
ctaaagacga tcaagtggat ggaggcaagt tgtacaaggg taagaaaaat gatagtgaga 300

gtgaagagga atccaattaa aaagatagag tgtatagaga ataagactca taatatgagg 360
gtg 363

<210> 24377
<211> 227
<212> DNA
<213> Glycine max
<400> 24377

tggacatcct ctgaggacaa tatcctcatt tcttgactg aatcggtggg aattggaacc 60
catcttttca atcaaattcc tagcctctgc aagggaacaa taacctagag ctccaccact 120
ggtagcataa atcatactgc acttcatgtt gttaagaccc ttatcaaact attgaaggag 180
atgttcggaa atcttgtggg gagggcatct tgcacacaac ttcttga 227

<210> 24378
<211> 330
<212> DNA
<213> Glycine max
<400> 24378

gaccttagaa actcagcttg ccttggttta gacatgaagg atatgatacg tttcttgtac 60
gaccaaattg ggcaaaattg gatgagggaa agagtgggtt tcgaaatctg cactttatgc 120
agaatttcgc tgttgaaatg tgcagcagaa ttttgcttta gtgcagaaga atgctatgta 180
tctgctggtt gaggaagggt tagttcctat ggggttctgg acatttgcta gcaaatccca 240
acgggtcaaaa tgtagactta tgtactagag acttctagta aaatcttcca gtcgatccaa 300
cggttaacga attggaacga tgaaaatgta 330

<210> 24379
<211> 578
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24379

cttcccatcc ctctacctct ccacattnca tagcgaagac atattagtcc tctcacatcc 60
atttcacacc aggagaanag tgaacgttga anctgatgca tcgaaaccca gggaantcaa 120
ccgcaccccg ggatcctcta cagactatct agcaggcatg caatcttatg cccacactac 180

cttacaaacg tgcacctgcc caagacattc tattaaccga ttaaattgcac ccacactcaa 240
 gctatggcag tcttgccaat ccttacacca tctatcacgg aaccttccca*acgtcgact 300
 ttggttactg taccatcaca cgacaatact cacttcggcc tataatatta ccaatagcac 360
 tgctataacc tcaaatgcac tttctggaga gtaccaacaa caattgacac accggtacac 420
 cctcatcgac atctcctaata acccaatata tacaccaacc ttatgacgaa acctcgacta 480
 tctacacaac gaggtgctac atttcatgct ttgttcaagc gacagctacc ataaaccgga 540
 tgcccatacc agctttacca acattagcta acaaaaag 578

<210> 24380
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24380
 agcttgaatg gagcttacat cactgccctc cggcgggggc gcgaaaaggt ctctcgcatg 60
 ggccaagggg tgtgtcttcc attgaaggaa aacacgtgga gtcaccacca acgtttattc 120
 gaggaaaacg tcagaaaaac caaaaatgaa aaaggtcgaa ggtttgcata ttttgaaaat 180
 gaaggtttgg gagttgttta cacacgggga aggtattagc accccacgag cccttcataa 240
 gggacaacaa cctctaataca agtgtgcaaa tcatgatttc aatattatattt atttccttac 300
 ctctaataca gtgtgcaaat catgatttca atattattta tttccctttt atctttattt 360
 tccctt 366

<210> 24381
 <211> 212
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24381

ttagagtttc cttttgttaa agaattatgt cttntgttct tgaagctata atataatgat 60
 ctgtcttcat ctattcatgt gcctctaccc attctcattc atttgcatgt ttatttcctt 120
 gttacgctta aaaagataca gtcctgcgaa ggtactaata ccagtgaccc cgccgtccat 180
 ttctggcaaa aagcaagtct ggtagagaat ga 212

<210> 24382
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24382

agctttggag attttcagtg ccaattcgcc ttcttctttc gtccagtctt cttctggctt 60
 caattcatca gtgggctatc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc caggttctgc tatccagtga ttagaggaag gccaccattc ttgctttcca 180
 gtattcatag ttggttccat caagaattgg tggctgttc actggctctc cttctttctc 240
 catgttcac agattttatc tccctaaatc tcaactctgag atttcgagcg ttggctctgc 300
 atccaattga aattctgata ctggggacag atgtcgtaca ggatgccacg acttcacgct 360
 tcataaacact cagattgtat 380

<210> 24383
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24383

ccccccctt cacaacacag gatatgagag attcaatcac tcaactactc tantccccag 60
 ccancnccc ttgaacctgt attctgttcc tcacaaccac nnggagaaaa gatgggtgca 120
 gcccataagc cgatctcgaa agatctctgg ttttccacag aagttcaaga ccatagccat 180
 caaagtctga aaagagtatg atgaactaaa gggacgccat atggccaccg ctcaagcttt 240
 tgaacaaaa acccagaacg cctgaaaaga aaaacaccac ccaagccaag ctctgagggg 300
 ccttaaattgg gagaaataat gagctcaagc ctcgaacatg cgaagagaaa ccatcatggt 360
 caacagcatg aacttgaaag acgaactaaa agcctgcctt agtcgaaaag aaattggcca 420
 acagataatc aaactgacgg aaatgtgggc cgcatacaga aggcaagaga aacaacctaa 480
 cggcac 486

<210> 24384
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24384

agcttacatg ggtttctaga agtccaaagc agatgacgga cacctgttaa tcacataggc 60
aaccgctgtg cgcagcttcc ccccatatgg accttgagcag gccagcactg agcaacatgc 120
accacacttt atccaatagc gacctaaaca tacggtcagc acaaccatta tgctgaggtg 180
tgccaaggac tgtcaagtgc cttaagatac tcactttccc tgcaaaacac attgaattgc 240
tctgaaacag actacaggcc attgtcattg cttaaaactg ataatatagc accaagttga 300
tttccaataa gaggacgcca ctctctacat ctttgaaaag cttctgactt atctttcaaa 360
acatacaa 368

<210> 24385

<211> 380

<212> DNA

<213> Glycine max

<400> 24385

agcttgtatc catggcttcc tatggtggtg agcttgttct tgactcatct tctccttgaa 60
gtggcatctc caatcacctt tccttctttt ccattccgtt gtcattgatc ttcaagaagc 120
aaagggctct attgatgaag aagatccaat gcttacaagc tctatatgga gctacatcag 180
tttatgagat ataggttgaa gttgtgtata atatttgatt gatatcattt tttgggggat 240
caaggatatc atgcatatgt tacaatttag atgcaaacia aatttgcata gactaaccac 300
ccaatttggg tgttgcaaca acattatgaa ctaaaagaga aaaatgtcca acaataaaaa 360
ttacctttga agtaagggtc 380

<210> 24386

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24386

actcaagctt tcaaatntat tgaataaata agcaactaac taaaacttaa agttaattac 60
atctactgaa aataaaatgt ataaaaagtc taagaaataa atccaaatcc tgtcatggct 120
catcctgtgt cggttgagggc tcatccagag gtgaagagga agcatcctgt gccggcaaag 180

gaatatcttg agccataata ggccatgggt cccaggtgct ctgtgctgcg gtcatatcaa 240
 ttgcataatc cgcatcagca acgccatcct cctctttaga gaccttcaaa ataggtgaag 300
 taactggtga agctggtgaa gtagcctttg gagtggcctt tggaactacc tctagatgag 360
 gttctgactg aagctcctgg gc 382

<210> 24387
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24387

agctttctttt gatctaaaat gataggaatt taacttgttt tgagttttta tctagaggat 60
 gctaaagtta gtaaatttac agtatttttg ttctattttt tgtaaagatt gacacaatag 120
 gaggtaaaga tattgaagaa ctggaacaac gcgctcagtg cgataacacc tactcagcgc 180
 aaagagccaa tctgaaggcc aactatatcg tgcaatagtg cacaattgac agcttagcac 240
 atgatcactt aagccaacta gactttgcat atggactcag ggagcacatg caagcctagc 300
 gcacaatcat tgtaaaaaaa tatcattgtg taacattnta aaaggaaaag gagggggaaa 360
 aactgtgcc attaag 376

<210> 24388
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24388

ctatacacia ctcaagcttc gacggaagtg aagtgaogtg aattgcgggc gttattgttc 60
 tttatatata tgggaatcga aatgtaaaac gagggtttct gtttagtggt aaaatcgcaa 120
 ttttaagagt tagaagccca aagggtgaat gtcaatgagc taggttggtt gctttcagac 180
 ccaatagaaa ttcagaggcc cattgttggt gtcataata atattattaa aacttttcaa 240
 ccacgccaca tgttttttta atntatttat ttattttatt caattactca atctattatt 300
 cattatttta ctgtgtttct tttctttgaa aatatgcaca atgcatgaaa ttcaatgcta 360
 gttgttcaaa taacatgata aaagtggaac atatggaaac aacgaaaa 408

<210> 24389
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24389

agcttggcat tttatgtctc ttatgtcatc aggggtgactt aggctaagtt actagataat 60
 tcaatgagca ttagatgcga cacatgagtg atgtccttgg cacaatattt cacactttta 120
 aaatatattg cacttttcctt tttgattcag aatgatgatg gatgagccta aagggttttgt 180
 accctagttt gacgtgtcag tctaaattac gtgttcccaa catggcatgt cgagcattgg 240
 tgggatatta aggtgtatat gatcattccc atatatatgt tgtgatatgc atacataact 300
 gtcattattga tgataaccga gtgaagtctg ggaagaccaa aatgcatttt gatatgtctt 360
 acata 365

<210> 24390
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 24390

tgtatagtat atgtctaata agtaatgact cagagcttat atgatgttat cgacaactca 60
 caaaaggata taaaactatg tgcaataata tgttaattca taaggggacc tgtaatttaa 120
 cgtcatattc catttcaaac agttttatct tatatcaatt atatgttttg tcgtcattaa 180
 ttagataaag gaatgtgatt ccggaaagaa attattatta caagaaaaaa aaaattaaaa 240
 tgacggcgct aattttataa acccgtgcat ctaatcagat aaagcattat taagtaaata 300
 taaagtaagt atacgctttc tgcataagta atcgagagca aatcaagaag aaaagactaa 360
 gctaaacgca acctaaatta attaaactct aagatgtcga cggttaa 407

<210> 24391
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 24391

tccactattt tcttacgaaa ataaaaatac tttgaaaata gtttataata gctaagagtt 60

attgaactaa tgagtgaaat acactttctaa aagatgagaa aataaaatac ttacaatatt 120
 taattgagag aataaatatg ctattttattt taattttatat aaatacataa attagtaaatt 180
 aatattttatt cgaagagaat tgactggcat gtttaatttgg ccaagtatac cttaaaaaaaa 240
 aatacataaa ctaagaataa attttacgaca ttgtcgccat cattttttggt actcaaattgt 300
 tatttttctgt cggaattggc ttatctgct 329

<210> 24392
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 24392

catttctaaat tagagattga tacacaaatc atagctctat gcttagcatt ctcataacaa 60
 ttaagttcat actctcaccg ggttatgggt caagctttgc tttctcaatc aatctgtcca 120
 ctgactaaca ttttctaactg tgatcctact ttcttgttct ttctcatcta catacatgct 180
 cattcaaagc tcatgacttc aacacatgct tcaccctttc atgcaatcca ttcacaacac 240
 caatttcgca caaaaataat tatgtttgca ctgcataact 280

<210> 24393
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 24393

tggaggctgg aactttgagc cccaatgggg caccttaatg gcgattacc accatattgga 60
 gacgcagcga aagacaaagg aaaagacgcg agaggacgcg ccatccgtta atgaataagc 120
 catggaagaa tgagcttcac caccaataag agccttggat aagaagcttg gagaggatgc 180
 tcctatggac gaaaagaaag agagggataa agacagaggg ggggagcaca catatgaacg 240
 aagaaaaaag gacagaagtt gaactttgag ttgtgtctca caagactctc attcatcaaa 300
 cgtacaacta gtgtgacaca tgcttctatc taaagactac gtagcctccc tgacacg 357

<210> 24394
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24394

tttgcaagct cttggtgcga aggtggagggc tgatcaatta ccacataata ataaggagggc 60
tgacaataat gatgatattc atcaacactg ctatggctac gatgagatgg ctgtggagggc 120
tattcctgta tactgcagaa tggtgactg tacaccatgt gataataggt accctgtgct 180
tgcatgtcat aatgagcctg ctactccaca gcttgcttct gcatatacaa tcaactgaaat 240
tatgaatgta ttacaagttg acaataaggt ggatgaaaag caagtctctt aacctgcaga 300
tcacgggaat tctaactcaa tgcacatgct tttcttggat gcccaaccatt gctatgatgc 360
gaatgagtca ag 372

<210> 24395

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24395

tgcagcatta aaagtagcta tagggtaaac cttccttctg aaattccctt gcttgcctaa 60
gaatacattt ggcattttta taggtgtctt atgttgtttg ttgagtctat cccctttgct 120
tttgaaaaca atagttaaaa cttaagatgg agtcttatag acgcatccaa cattagaatg 180
atcgacgtct ctgataatat cataaattaa tttgattaat tctcacgggtg ctttgcagga 240
tttcgatgct atgcctctgc agctatatca cccttccatt atatgctctt gtaactcaag 300
tataccttca cgttttttct tccctagctt tctgctgaga cattcttgca aagtttgatg 360
atntcatcaa atcatatata at 382

<210> 24396

<211> 372

<212> DNA

<213> Glycine max

<400> 24396

agcttgcaat ttctgcacaa agaattctctt cctctcgcct tctctcgcct ttcttttaag 60
gatgggttgg ttgtcttcaa atagatgaaa aaaatttcaa aaatttgtat ggatctgaca 120
cttccttttt tctattttta ttcaaattatt ttttctcaat tacctttcat tcattctttt 180
tcacacaatc aaactgcccc ttaattctca cctacctact acggcctcaa tgatttgtga 240

atattgccgat gacaagcacc aaagtaaaaa agagaaaatt aatttaattg ataattcttat 300
 tttgtcttaa tcctatgctt cattgactaa tctaaaattt gacctaaaat ctaataaaaa 360
 attattcata tt 372

<210> 24397
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 24397

tagatcattt ttttgttgag agcacgaaaa tattttccat ttactaagga attattcttt 60
 ttctttttca ctttcttttt gctgatacca gattctgcaa agttaactt ccacattggt 120
 atacttatta cttattagat gtttcctcct ttaaaaccat agaggaatga ggaccgtggt 180
 gggtggaag aaccgaagaa gacagatgat tttagtgaag gacttattgc ttccttcttt 240
 tctcccatta ttttgtttgt atttttcacc aactgaatga aataacaaag aaattcccta 300
 tcaaagatct tacttattat tttcgaagac atttctttct tatatgacgt tgaatgttgg 360
 ccg 363

<210> 24398
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 24398

agctttgaat gtagtcatac ctcacaaaat atatgtatgt gtgtttaagt agcgaaaata 60
 ccttagatat gcatgtatgt aatttaggta gcaaaaaaat acctcacaaa agattattat 120
 ggaagggtat tactggctca ctgttagtag tcttttacga ctaacttttg tatataaaag 180
 ttctcaaaaa tgtaaatatt tcacccaatt tatggttctt tttggtagga tagtaaatat 240
 ttcttgttta atttttatat ttgctcaata gaagctatct gttggatttc cctgtagtt 300
 actttatggt ccaactgtttc tttgtacaaa tatgttcaag gaaaatctgg tttgcggac 360
 agtacatcgg atc 373

<210> 24399
 <211> 399

<212> DNA
<213> Glycine max

<400> 24399

tgtcttcaac aaacaaatca aaatctatct tctgattttc attacctagc tccagcttcc 60
tctcccccat atcaactatg cagcttgagg tcaacatgaa tggccttccc aatattacaa 120
ggatgtcagt atcttcagag atatccatta ccacaaagtc tgtcgggaag ataaaatggt 180
ttactctgac caaaacatct tcaattactc catatggcct ggtaatggag cagtaagcta 240
attgtaaagt cattcgagtg ggcattatct ccaactcttc caatcttctg cacatggaga 300
gtggcatcaa attgatactg gctcccaggc caataagagc ttttcccaca ttgacttctc 360
caattgaaca aggaatcggt aactcccaa gatctttat 399

<210> 24400
<211> 315
<212> DNA
<213> Glycine max

<400> 24400

atcttttacc aaaggagat ggaccatttc aagtgccga aagaatcaac gacaacgctt 60
acaaagctga gctgccccga gagtataaag ataactccac cctcaatgac tcagaataat 120
ctctttttga tgcagacgga gaatccgatt tgaggacaaa tcctcctcaa gagggagaga 180
atgacgatga catgttcaag agcaaggga aggatccact tgaaggactt ggaggaccta 240
tgacaagggc tacagcaaag aaagccaatg aagctcttca acaagcgctt gccatactat 300
atgaatacaa gccca 315

<210> 24401
<211> 385
<212> DNA
<213> Glycine max

<400> 24401

agtctctcag gatgatgcct atcgaacatt tgctaaccaa tatcatgcaa atttcattca 60
gggattgaat aaaaaaactc attagccgac atcggtcgtg atgtagcccc aactgtgatg 120
agaatcatga aactggccaa atacaggcta aaggcccaag tggagaagga caaaggccta 180
tgtggagaag gacaaagccc ccgagtggag aaggatgaag gcccaagtgg agaaagatga 240

aggcccagag gcagaggcac tatcaagaca attaatgttg ctgaaggccc aaactaatat 300
gaaggcccaa gttaaataata ttttttagtt ataattttta tttatcggta atttggccca 360
aactatztat aaggcccatg tctat 385

<210> 24402
<211> 383
<212> DNA
<213> Glycine max

<400> 24402

agcttgtcaa tacttttttc tcttatgttt ggctctaatt gagacatgga agtacgcatt 60
attttcgtcc tccaatttga gccagtcaag ttttgatctc tgttgtagaa tttcctcatc 120
aatctcgttc cacctaataca cagtttttgt acacatatcc actctatcaa ttttctcttt 180
attcatcctg tcattttacaa gcgagtcctg agcttcagca agatcttccc gagctttggc 240
cagctggagt ttagtatgag caaattgttt tgacaaagta cctaaaaatt gtcttaattct 300
tttcaatttc ttccacatcg ctaccatagg actaccatca acagggctat tccaactcta 360
tgcgacagcg tcatcaaaac ctg 383

<210> 24403
<211> 362
<212> DNA
<213> Glycine max

<400> 24403

tggttaataaa gtatgatgtg tttttggttt gtagtgatgg agaaatggct cgttgaaaac 60
gaaaatgttt gttcttttgc tttcttgatg ttaaattgggt gtatggactt tgtgatgttc 120
attaccagta tacatatata gtacgataaa ttaataacaa gactatcttt gatataactg 180
gactgtgata ggatgcagtt tctcatgttg gtacacaaat ttttttatta tacgaatttt 240
aacaaaaatt agccttagag tttaaattgt gaaacactct tagcgtgtaa atattatata 300
tgatatcatg tttaactata ccatcatata taataggatg acatataatt aaataattaa 360
at 362

<210> 24404
<211> 381

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24404

agcttgatca ggtaacctca actatatagc aatttgaaga ctgttattag aatgacattt 60
aattcatgac ttgtttttctt tattttttact tttttttcct tttcataatc acaccacccc 120
taaagaactt ctaaaaccag aaatcatgcc attacaatgc aaaaattcta aaataaactt 180
aactgctttt tgacagtttg aataaactag tataactggc ttaatttgat aactagatcc 240
aagttcaaag attttcagaa attctggagc ttgggttttt tttttttttg tctcaacttt 300
ttactccaga attaatacata ttctttcggn ggggcttttt atcttgacag gatttatttg 360
cgatggccgt gtcacgctat t 381

<210> 24405
<211> 364
<212> DNA
<213> Glycine max

<400> 24405

actcaagctt tagcatgtgc tttactgaga agaaaatgcc gtctagttac tgggggttct 60
gacaaccatt taatactttg ggatttaagg cccctgggat tgacaggat tgtatgagca 120
tgccatattt ttatgatata ttgctaattg atttttttat ctgtctaata tctatgtgtc 180
cattagaatc aactagttta catgttggct acacattgca ttagactcaa ctagattctt 240
tgacatttta tgccttcaca tttacatata aagatgggca tatggttttt atagaaagaa 300
tagggcttcc taggctttcc ccccaaactg cctaggtgtg accttgtacc aggcattgtc 360
ttta 364

<210> 24406
<211> 382
<212> DNA
<213> Glycine max

<400> 24406

gagcttaatc agttattctt ccctttcatc tcaaataata agagaaaaaa acacattttt 60
ttttttctca aataactactt tcaaaaaaat ttcaacaaac tttactttat ttaatattat 120

tatctctaaa tttcaaccaa cgtgaaccac gtatatggaa ccttaacaaa atttatttct 180
 tggtcgagat gatcataatt cacgttggca aaatgtggta attggtcaaa tttatcaaatt 240
 tttacaacc tataaaatct tcacttgttt tcacaaatga atatcaatta ttagatataa 300
 atattataat ttgtaaccga gtaacactac ttaaataatta caaataaaga caactaaatt 360
 ataaaaaaaa agaaacaggg aa 382

<210> 24407
 <211> 409
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24407

taacagtagt tagaccata tgaatcccg ggcaacctct tcgaccgttt ccaaattggta 60
 taactcgaat gtcacttcca cgaatgtcaa cattgcaatt ctcaaattctc tttggatcaa 120
 acatcaaagg attatgccaa acttttaggat ctctccctat tgcccatgca tttactatga 180
 tccttgattt tttctttatg aaataaccat caatagtaac atcttctcga ctctcagag 240
 gtacgagcaa cgggtgcaacc ggggtgtaatc gtagcgtctc cttcaccacc atattcaagt 300
 aagccagttt ttctaagtca atttcttcca cgtgtctgtt catccccact acatttctta 360
 gctcatcttg aagtctcttc atcacacttt gatgcctcaa gagttctga 409

<210> 24408
 <211> 212
 <212> DNA
 <213> Glycine max

<400> 24408

tttcatacgg gtttcaaaat catatttcat acctttatct aagcgattgt agcataaagc 60
 ttcttcataa ctttttactt tgtagatctt tccttaccct attaaaactc atccataggc 120
 cacgttactg acacagatta tactacgtct ctccactata tgggctcgaa tagtgtgtaa 180
 taaggatcat acttatcata ctatgagttt at 212

<210> 24409
 <211> 207
 <212> DNA
 <213> Glycine max

<400> 24409

gaggaaggag acacttttctt tgatatttca ccaattatat tgtccacgga gatgtctctt 60
tgagatatcc attcccttgc gacgccttta cgagggtgtgg cagagacttc cttgctatgt 120
tcgaaaacta taaaattgct ttcattctca aatgtagcgt ccctatccta aagacctgca 180
ttcttattct tccaaagaat attcttg 207

<210> 24410

<211> 374

<212> DNA

<213> Glycine max

<400> 24410

tttgcaagct tgatatatat actacaatgc atccctacac cttacaaacc agacccgacc 60
actatgtaag ggaatattga ccaaaacttg ccacatgggc aagataagca acacatttta 120
gttccacatt gagcaacata accttaggaa tatctttgtt cctatatata cagaggaaca 180
ccaagacctt aggagcatca aagaattaag tgggcttagc atcaatcgcg aaaccatta 240
tagttaatat ttctatctat ccccttgagt ttcaaactca atgcatgtag gcggcttggtg 300
ttcgtgttat aaatcacact catgtttgtg ctatagttag agttgacgtg gagatcatgg 360
tggacgacac tatc 374

<210> 24411

<211> 347

<212> DNA

<213> Glycine max

<400> 24411

tgtccttcct agataacgta gtgccacacg agcactgttc acttgggata gtccccacag 60
tgcttctcgg gtgtcctcaa atcagaaagc acagagaact gtctctgggt gcacctattg 120
cacatatata tcttggggca gaggtcctc ttgtaatgga tctcggcaca aatcattgac 180
ttcaaagggt ggaactcggc atgcctttgg ttccatctac acccttggtg agggcacgaa 240
tatctctttg tcacactatc ttctgcacct aaaaacaaca cattactctc ctttctgtgc 300
ttttcttcat gggatgcgca aagctgcact tgttttgact cttccca 347

<210> 24412
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24412

agcttgcttc tttttgattt cggagacgtc tcgggacatc atttattgtg caaccaagga 60
 cgccaagtgt ctcaaagcgg ccaatccaag gttgtatatc atcaaataat aatccccgga 120
 cgaaattagg gtatgacagg agccaccaga accaccttag attgttttgt cttttttctc 180
 ttccttcctt cctactcctt ctcttacct tcttctcttt cttaccttct ttgtaacacc 240
 ctgaaatttc atcttaaatt atttcctaca ttgtgaaaga ctagatagtg taagttcact 300
 ctatgtaaat ttactttgtg aatgtatgaa tttaatatat tgggttgata attctaattc 360
 ttgaa 365

<210> 24413
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 24413

tcaaacacct gcaaaacaaa acgcctcag ttaagattat ctatcaaaaa caagaaaaat 60
 ggtgtaactt tgtttcttcc caaccacaaa aaattaaaat aaaaacgccg ggaaagcaaa 120
 atatgaaaag atacaacctt gttaatatat aaaagtcaca aaatgatcac acaaactgtg 180
 ttgcatcgaa aacgcgttta aaaataataa aaacaccgac ttcgtatggt tttacccttc 240
 aaacaggtag caccctaaaag atatattttt gaataagttt tctgtctcct catcaataca 300
 aagagaagaa acggaaacgg aaacagccat agcgaataat tgaaacaccc ataaaaagaa 360
 caaa 364

<210> 24414
 <211> 316
 <212> DNA
 <213> Glycine max

<400> 24414

agctttgcag atttagtgtt tgctggcgaa agaatcgaag tgggtttgag aagaggcaaa 60
 tttgattatg ctacttcgat gaatagaaag cctggggcat atggagagaa tatgaatgag 120

ggaggaaccc atgatgtgac tgtcggttcct acatggccaa atttcccact agctcaccaa 180
tatcaatact gagtcaatat cagtgcctttt cattaccacac caccctacca gccaggaaca 240
tcctattatg cacaaaggcc gtccctatat cagtcaagaa accccgctac tgctcattcg 300
aggccaaca acaccc 316

<210> 24415
<211> 241
<212> DNA
<213> Glycine max

<400> 24415

tgcttgtggg gcttctatgg ttgctggatc tttgtgtctt ttgggggtcct ttaatggtga 60
ttttccacca tggagatgca tcggaagaca aaggaaaata tgtgagagga tgcgccatcc 120
attaatgaat aatccattga agaaggagct tctccaccaa gatgagcctg ggataagaag 180
cttgagagg atgcttcaat ggaagaaaag aaagatggag agaaagagag aggggggagc 240
a 241

<210> 24416
<211> 333
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24416

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tttacctta ctttcttttt agttggaact tcatcatttg tttatgtcag ctggtgcctg 120
tattattagt attttttttt aacggtcttg ttgaagaacg gtagctttca ggtttgagga 180
agagtaaatt tgtcaatggt ttctgagagt ggatggtttc gttggaggcc aagtcttggc 240
attctgaatc tgcagattca gaaacaaaat gttattccaa tagtgattga acctgtgaaa 300
caatactatg tgatatttgt tcaaggcctt att 333

<210> 24417
<211> 535
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 24417

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gcctctcttc ctcaagataa tctatagtta ctatgacatt atgtataata gttatacgnt 60
ganatatcta catcttttctt nnacctgaca aaccaccanc ttcanaaccn cgtttgagtt 120
gtataccata gccaacacgc gacacaanag ataacttaga ctccatctag tggtaatcag 180
agcacaagaa cttctgttta tgctccttac acctccatta attaacaggc taaccttctc 240
gctcattggt gaatctttat tttttttctc catggatcac ctttgaagct taaatatctc 300
acctccacag aagcttctta agcaagcttt cattacgatg ggtgcatggt ttatagtgtc 360
acttgagttt agatttaaga ttgagcctag aggaccatt aaagctcaat gtatagctga 420
actcatggaa aatcctcttc ctataatgac caacaggaac aaaacgaatg tggatgctct 480
atgttgatgc gcccttaa at ctcaaagaac taacaggaca ttcctttaaa gacct 535
```

<210> 24418
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24418

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agcttggtga cataactttg acagtatgcc tttaatgttg tgtagtgatc ttttgccatg 60
catttgact atgttttgat gaatgctttt ccaaatttag tgtattgact atcagaatag 120
acatattgga atggtggttag tcagggtcaat attataatgg tgatgcttaa aattggagaa 180
aaggttttgt atgataatca gagatacaga gagtaagaga tactatgtaa agatttcccc 240
cagctagatg cttgtgaaat attgacagca tattctatca ttgtcattct tgcattcctt 300
aatcaaactc caaccagtta cctagaatct cttcccaatt aatcaccctt gattatgggtg 360
taaaaa 366
```

<210> 24419
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 24419

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agcttctagg gcacgctttt ttcacagtgt ttcagccatg tcaatatacc tgaaaaggaa 60
agatccacaa tttttttgaa tttgaattcg gtgaagaata aaatccaaaa cgccaacat 120
```

tatatacatc attgtgcttc ttgatgagag ttatcaagac agatttgaat cttctaaagc 180
gagtaaaagt aaattaagta atactagcga taagaaaatt gactattaat attctaacac 240
attcatgatt tggtatatac agaaatatta ataacacacc ttcaaacaca ctcttttgaa 300
cattccgtcc actattgatt gaaatttaat gaaaattaca aaattttgtg gatcctacta 360
ttatttaatg agttccactc aag 383

<210> 24420
<211> 383
<212> DNA
<213> Glycine max

<400> 24420

tgactaataa ttatagcggtt ttatatgaaa gaaaaaactt gcaacctttt atagctaaca 60
aacttttcat ggaaaagtac cgtatgggtt gtcttattac taatctatgt tacatgtttt 120
catgcagata aacaaaccac atcttccaat agcatctgga caattctcct ttaaaactgg 180
tgtcattgtt tctgcatcat ttttagctct ggtgccacaa ataatcatct atttctacaa 240
tgatattttt ttaacatgag ttttattata aagggaatta ttattctatt cttttttcca 300
aagtgttggg tttacttgga ttacaggctc ttggccgttg atatggaatc tcatagtaat 360
ctcttcaacg tggactgctt att 383

<210> 24421
<211> 287
<212> DNA
<213> Glycine max

<400> 24421

agcttattga acatgaatct cctcttttga acattttacc tacagggtga aaccatattg 60
agctaactct taaagcttac aacactgctt cttttatgat taggttcta ctattaaagc 120
tgagttacaa cgactgacag aggacaacaa cactctaaga atgatgcttc aagttctaag 180
cagcaagttc acaaagcttg agaccatct tctagacatt aacatgacac aacacaaggg 240
cttgacttca aatcaaatag ggtcatgac agtaccacct atgtttt 287

<210> 24422
<211> 355

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24422

actatagaca acncaagctn tataataggc tntctcttca ttgttactag cattagtaat 60
agtagcttgc ttctctttca atatagcaag atcaagatcc aaaacatcga gatgttttgg 120
attcctcctt cggttgcaatc ccttttatgc caccaggtt cctcctcttc tctttaattt 180
tggtagtatt tgaagtgagt atctggtctc cttaaagtcc tcttctttat ccctcttgat 240
gggtttcttc tcctatctat agaggcttgg aaacattttt cttatcacia ttataatcat 300
ttaaattatc ttcttatggc aatgacgaca actaccattg ctaccacttg tggct 355

<210> 24423
<211> 380
<212> DNA
<213> Glycine max

<400> 24423

agcttctttt ggtccttggt caagcagcta actcctcttt caagaccatg ctatgtgctc 60
gtgattggtc tctctcttcc cttegaagct tgagctcact gttgctgccc cataaagctc 120
cacgaaattt gtcacggcca tgctcttctt tgcaagccct cttgggtttct tgttcaaggg 180
ctcttgcggt agctgcattt tcttctcgta acccgacaca ctttttccgg acgtctgtag 240
cgaccaactt gaatttttct ttggcaagtc ttgcttttcc tagttttggt tttagagctc 300
ggacttcttc atcctcttcc ggagcttcga agctttcttc gtcgataatc tttagcttgg 360
agagacaatc taaccctcgt 380

<210> 24424
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24424

tgagatgagg aagtgtagaa gggtgaaact tcctgctttt attcngtgac cacaaagtgg 60
tacctggaga tatgtcgcgg gggtcaggag accttgagga cgtcaagtgg ggtgctattg 120
cccaaaacca agcttgacca atccccgacc aaccgggca tagtcagtta gtgagaacct 180

gtgatgtacc taaacaggcg agctcctggc agtcaacaga taaaaggaaac aaagaccaca 240
aagcaaggag gcttgtgtgg tggctggcca gctgtgaatc ttgtgtgata tatggggttat 300
ggcctctggg aatcgattac caaggggtggg taatcgatta caaggcttaa aaatgaagac 360
aagaggctta gatggtcttt cgtaatcgat ta 392

<210> 24425
<211> 382
<212> DNA
<213> Glycine max

<400> 24425

agcttgccac cctgctcgcc caggcgagca aggttgcttc ctccagaagc aacagccttc 60
tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttgcaccc ccatttttac 120
taaatacacc cctcttgccc ttttttggtg attatttttt cgtaaagtta cgaaaactta 180
cagatttcgc aacgataactt gttttctttc cgtaacgtta cggaaccttg cggattacat 240
aatcatcccc ttttttgact tacggaatgt tacggaacct cactaattgt acaacgatgc 300
ttccttttga tttccggtgt gtcacggaac cttacggatt gtgcatcaat accttctttt 360
gatttccggc atgtcccgga ac 382

<210> 24426
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24426

tggagagatt gatggggacc cgggtgtgag aggaaccatg ataagggcta cgtgggagta 60
cgtgagctca atgaagggtgg gcaactgggg atggtggggtt tatgtgtgat ctgtggatgt 120
ggagagttga cttgcaccat cgcccgaccg ccacctagta ccacatgtga tgggtgcccc 180
ataatcctac aagcttgaaa tgaggaaatg tggaaagggtg agacttccta cttttattcc 240
ttgaccacag agtgggtacct ggagatatgt cgcggggggtc aggagacctt gnggacatca 300
ngtgggggtgc tattgccccaa aaccaagctt gaccaatccc gactcaaccc gggcatagtc 360
agtcagtgag aacctgtgat gtacctaa 388

<210> 24427
 <211> 362
 <212> DNA
 <213> Glycine max

<400> 24427

agcttaataa gaggcgatgct aagtgggtag agttttttaga gcaatttcca tacgtcatca 60
 aacataaaaa ggggaaaggg aatgtagtgg ctgatgcact gtctaagaga catgctttac 120
 ttgctatgct tgaaactaaa ctgtttggtc tcgagtcctt gaaagacatg tatgtgcatg 180
 atgtggactt tgctgaaaat tttgctgcat gtgaaaagtt ttctgaaaat ggttactata 240
 ggcataatgg attcttgttt aaagcaaata aattatgtgt gcctaagtgt tccattagag 300
 agttgcttgt gagtgaatcc catgaggggg gttgatggga cactttggga ttaaagacc 360
 ct 362

<210> 24428
 <211> 329
 <212> DNA
 <213> Glycine max

<400> 24428

tctcgatata ttatgcacct gaatcagact ttcgttttat aagtgatgac catttgaatt 60
 tgtggagagc ttccgttggt caattttgag cgtctcgata tattatgcgc ctgaattgga 120
 cttccgtgtg attagttatg accatttgaa tttctcgaga gcttacgttg ttcaatatcg 180
 agcgtctcgg tatataatgc gctgaatct gacttccgtg tgacaagtta tgaccatttg 240
 aattttctcca gacgtccgt ttgttcatat ctagcttttc tatttattat gcgcctggat 300
 tagactttcg tgtgatatgc tatgaccat 329

<210> 24429
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24429

agcttgccac ccagctcgcc caggcgagca aggttgcttc ctccagaagg aacagccttc 60
 tggaggaatc ttctggaggg cccaagtggg cctgggtgct atttacaccc ccctttttac 120

taaatgcacc ccccttttct atttttttgt aattcttttt ccgtaacgtt acgaaacttt 180
acgaattttg taacgatact tattttcctt cctcaagggtt acgaatcctt acggattatg 240
tattttactct tttttggcctt ttaaagaagt tacagaaact cacggattgc gcaaaaacac 300
cttttttoga ttcacggatt acgcaagcct gcttcctttt ggattttctga gacgtctcgg 360
gacttcattt a 371

<210> 24430
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24430

tgtagaacgg ctggtcatga tatatgtcag ggtttggtca gggggtcggc gataatgggg 60
atgtcctaca ttatttccat gatacacatg caacaatgat gattaggaaa ttttatgcaa 120
aactggtcac gcatgcaccc atgtggacac tcaagcataa agtttttatg gtcattgtgac 180
actagggttc aagattcatt ntccctattt aagtcaaccc agtgtttcca aaatatgctc 240
ttttatcaat ttatgcattc atccgagtc cttttgtgcg ttcgggaaaa ttttcacagt 300
attcaccctt tacgtgtata cacattcttt ttttcaaaca aactgggttat gatagtgaaa 360
tcattttca 369

<210> 24431
<211> 371
<212> DNA
<213> Glycine max

<400> 24431

agcttttgtg ttctgagaat agttacgtca caactcgagt gatggggaca tttgggttag 60
tatgattaag ctaagcattc tcctatctct cttaccaaata tataattagt tcaagttcct 120
gtatgattgc aatgtgtaag tggtccttaa tgtttaaagg tcaaaagata ttgattctct 180
ccttttttct ttttctgtag ttatgttgca ccagaatatg catgcactgg aatgctgact 240
gagaagagtg atatttatag ctttgggata cttatcatgg agataatcac cggaagaagt 300
cctgttgatt atagtagacc gcaaggagag gtttagaggcc ctcaccaata aaagaccata 360
gttaacattt a 371

<210> 24432
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24432

tgggagatcc acatcataaa agctacagtc ataggggggaa aaccaagaaa aaccacttta 60
 gtactccaag catcccatac tacttgatgt gggattacgg cccccccata atacccaagt 120
 ccttcattct aaagtcatcc tatctacaaa gaggtatgaa tatacttaca aggtctacat 180
 ctgagttcaa tgctatagac agtgcagaaa accatggcgg caagtcaact ggagcaatag 240
 aaaacatcga gacaagtaag accatccata tgtcatcaat tccttatata tctgaaaatg 300
 agttgttttt aatctttact ggtttgtaaa aaataacaga attcanaacc atataactaa 360
 ttgaatcacc aaaac 375

<210> 24433
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 24433

tttgcagttg gagcctaact gtagaaggga ggactgcacc atgcaaacta catttcgaaa 60
 ccaacatagt ttaaggtatt aagatactat ggaatttgca ctcgaagaca tggatcaact 120
 ttgctactga aaccacatth acacttgaca tataaattat catcttttgt gctgtttttg 180
 gaaagaagaa aagaaaaggg ccatcaagta agagcagaaa tatgcataca taattaaana 240
 aaaaatacag ttcccaaaag ataccagtta acaactttgc tcaaacttgg aaaaatagaa 300
 ggcataaatg tgagactcgt cagcaattat taataatcta taatatatca tctgaaatga 360
 ttttatctgc actatctc 378

<210> 24434
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24434

ttatgactta atcattgtac agatatgtaa ccaatttttc ttttcaaacc cttttataaa 60
 tcacttttct tattggtaat aaaatagaaa tgtcacggga tgtaacccat gcttgatgaa 120
 tgttacacca acaaagtta gaagagaaga aaattatgta ggtccttaaa ccttaaaaat 180
 caagaaataa aaaaatacca cgccaaccaa gagaatataa atcatatttg cattgtacca 240
 agcttgaaaa tgttcaatca tgtttataga catcaccata tgtagaattt tattatttgt 300
 aattgcaagt ctgggaccat ctacaaataa actaattatc cataatttct aattaaatta 360
 atgaaatgt 369

<210> 24435
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24435

agcttgtaag tatttggttg tataatttgc ctgttcattt aggtttttta tgtctctaga 60
 ggttacttcc tcgttgacat cttttgtctt gaatggaatt gccatgacag gtttgttggt 120
 actgtctttg atatttggtg gttgatattg tgttggtgga ggtaattccg actggattaa 180
 ctcaccatcc ttcacttgcc aatttggtat gacatttgtt gttggattac ctatgatgtc 240
 ttgtttccaa gggtagtcta taccctttct gatggcataa gcatgaaacc aatctaagaa 300
 aaggacatta attctgactc tttcgacaaa ttcgtagaac ttgtcttgga tttgttctct 360
 gtttgtaccc 370

<210> 24436
 <211> 550
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24436

cccgcgcgcg atgcttctaa cacttatata antantattg tagtaactac aacactatac 60
 atctctacgt acaccatnct tcggaacncc cccccccnc cccctttgan acccgttgga 120
 ttaccttgct antcgcgacc natgaaaaca gaacttttagg acacaccttt caactgaagt 180
 atgtcctaag tctatttcaa ggacgaaact tcgccgagtg tcgcgcaatg aagagacctt 240
 ttattcaaac ctttcacaat tagtgattag gctacaccat aaattatgga acttacaaaa 300

actaaatcct taattgaagg cgtgcgcgac aatcataccg aattactaaa caagattacg 360
 agttgggtta aagacattcc ttatactcct caacctacag aaaatacttg caaaatggta 420
 accggaagaa cccacaaatt tatcaatggt attagtgaag atagtgacca aaacctatat 480
 aacacaactg agatatgacc agcgtcataa gacaatataa tccattaaac tccaaacact 540
 ggaaaacccg 550

<210> 24437
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24437

agtttgggtca aaggtaaggt tagcttagaa aaaccctcta tgaacctacg acagtaacct 60
 gctaaaccaa ggaaactcct aatctcaaac actaacttat gactctccca actcatcacc 120
 acctctacct tggaaggatc tactgctatc cctcccctag atataacatg ccctatgaag 180
 ctcaccttct ctagccaaaa ctcatactcg tacaacttag catgtagtct gttgtgcttg 240
 aggggtttgca acacaaccct cagacgctcc tcatgttcct cccttgtctt ggaatacacc 300
 aagatatcat ctatgaagac cactacaaaa ctatctagat agggatgaaa gatcctattc 360
 atgtagtc 368

<210> 24438
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 24438

tataagttcc tcacaagcct tatcatacat attcttctct atcccaaaat attagtagtc 60
 ctaagttggt ttacacatac caagaaaaaa taataactag atgaaagaga atagtagttt 120
 tataaaatta accttatgtc atcattaatt catttataaa ttttggtttt tttaccatta 180
 atattataag ggatataagt gaaaaaaaca taattagtga tacactaaaa agctaaaata 240
 acaattatta tgggacaatt ttttttctct tatatgacaa ttataatggg acaaaggag 300
 tattaatttt cttgggttat ggtaaaaaac ctacgatgac catcatggct atgtttggct 360
 aaactagctc aaagggtg 377

<210> 24439
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24439

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agcttctcca aggtggtctg tggcatcacg tttaaacttg aaccattgtc gataagtacc 60
tttgtgacga catggcgcat acatcttaca aacacatgta gagccttggt gcgccttctc 120
ccctcaacgg gaatctcttc ttccgcaaac gcgatataga tattggtggg catatgatta 180
acaatgcctt taaaaccctc aactgagatg tacggtgcta ctggggcttc gttgaagact 240
attatcatca gtgcacgagg aggctcgaag tttatgatca gttcgagcag agagactctt 300
gacggagggtt tattcaattg ctcagctact ttaaactcgc tttgttggat gagacgatag 360
aactca 366
```

<210> 24440
 <211> 536
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24440

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gcgcccgag tctgccatgc tcaaatatat ggtttataag taatctgaga tatctatatt 60
cactcgatat actcgacacc ncaagcacac cncgcacacc tgtgagccct tttgtgatcg 120
attacctcta ctangnacgc gacacnnaaa aaataactcaa gcggttgtga caagacacaa 180
aaactcaaat catatcttat atgctgatgg gcccatatat atggggggccc gacttacaaa 240
aaaaagagat gggctataga gaaccccatc gcaaacgctc tctaaccaat ataggccaca 300
cacttgccaa ccaatggaga aaactttctac gaggttcaat ttgcataatc tactctacag 360
gcgagaaatc tttctgtgta tcttataacc ttagttgcaa tcaagagact ggctatctct 420
tggattggga gaaatgtaac cacagactgg ttgtctcttg gagaaacttg aacaccaggc 480
agaggaatcc aagagcgtca caagcctgta cggacttata gagataggga aaaacg 536
```

<210> 24441
 <211> 368
 <212> DNA

<213> Glycine max

<400> 24441

agctttaagc gtctttttgc taacgaagac gacgcaaaag acctaacatg gcatgcaaatt 60
ggaaggattt ctgatggaat cgtctgtcat cgggctgatt gctcccagtg gaagaagatt 120
gatggtttgt atccggattt cgggaatgag ccaagaaatc ttagacttgg actagccagt 180
gatggaatga atccatatgg aaccttaagc actcaacaca attcatgggc agttctgcta 240
gtaatttaca atttgcctcc ttggttgtgc atgaaacgaa aatacatgat gttgtctatg 300
atgatatcgg gtccaagaca gccaggaaat gacattgatg tttatctaag ttcgttgatt 360
gaagacct 368

<210> 24442

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24442

tggagtcatt tgttgtgttt tgttttagtgg gatggagctg gacaggagcg attcatgact 60
ataacaagca gttattatag aggagaggat gccgaagata ccagtagatc atcagagaaa 120
aattcaattg aagaagacat tgaaacttaa attgctgaag tgcaaacgta agtttattat 180
gcatataatt tcagtaccat ttttgttata tgattttggt tcttgggtat ggcagatttt 240
ctagcaaaaa atggggaaga agagaaaaca cagtgaagata actcatgacg aggcacagcc 300
ncaaaaggaa caactcatga tgatgcacaa cccacaaata aatttccttg ac 352

<210> 24443

<211> 285

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24443

agcttatgca tggaaaatgt aattatgaaa ttgagatgcc cgaagaaaca ccatttccta 60
gttaaccatg cattaggtac catgttcaat tattttgttt ttaagtgaaa cgggtttatg 120
atcccaacat ggttggtcgc tgggtgcctaa cacatgaaac taagaatgta gtgtgaagtt 180

tcatgcttcc ccccttttgt ttttgttttg tagaggaaaa cacaaggatg agcatacatg 240
 aaaacaaatg gtatgcaant ttgcagatca aaaagtttgt tgaac 285

<210> 24444
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 24444

tgaccaatcc cgacccaacc cgggcatagt cggctcttga gtacctgtga tgtacctaaa 60
 caggcgagct cctggcagtc aacagataaa aggaacaaag accacaaagc aaggaggctt 120
 gtggtggctg gccagctgtg aattttgtgt gatatgtgga ttatggcccc tggtaatcga 180
 ttaccaaggg taggtaatcg attaccaagg gtaggtaatc gattacaagg cttaaaagtg 240
 aagacaagag gctaagatgg tctctggtaa tcgattacca acgggtgtaa tcgattacca 300
 ggcttgaaaa cgaagtcagg aaactaatgg agcctctggt aatcgattac cagcttgtgt 360
 aatcgattac acagagggat gggtcactgg taatcgatta ccaagtaggt gtaatctgat 420
 acacagtgca tttttga 437

<210> 24445
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24445

ggcttgtatt gttgagtctc gaagacggat aatcgattac aatagtgcc aatcaatta 60
 cactgtttgt tgagacaatg actgacttat tcaagagtct ctaccttaat cgattacaa 120
 gtggattaat cgattacttc tttctcgttt agttgatcag aggtgaacaa gaatacttta 180
 atcgattact gtggcgtccc taaattaatg actggtttaa tagaaataat ttaaataaca 240
 aaaaccatgg caaatttttt tttcttcttt ttctttctca tttctttctc ttttcaccat 300
 aactagggct agaaggaaga tctcactat aaagtcctga atggccaatt cacaactcta 360
 ttcggagtca 370

<210> 24446
 <211> 310
 <212> DNA

<213> Glycine max

<400> 24446

gcctacgttc tgttgctcag cagcccaatt tacatgatgc actctctgtg ctaaactcca 60
tgtacaaagc ctgaaccaca cagggacggc cctggccttg tgtccacgaa tgctctacaa 120
caagagaccc gcggtctctt aatcgcttct tagagcttac aaggatagac gaagagatct 180
ctctttaacg agatagatcg tacagtgaag atcaatccaa atgccttatc gaatatgcaa 240
gtgagggacc aatgaatctt tctgagagga taagacgagt cagtgcataa aaactctgat 300
tcttttgaga 310

<210> 24447

<211> 218

<212> DNA

<213> Glycine max

<400> 24447

cgctgcatgc acccgtggga tcgcaatctc atacactgaa aacgatcagc atacctagaa 60
cttgcgaaaa atatgcgcaa cggacacata ctacctatgt cggactggag tggctatcaa 120
aggcctatat gtatgagacg agagacacga atgtgctcta agttcttcgg aacacatagg 180
acatagactc ttaaatagca ttatggcaat atcctctg 218

<210> 24448

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24448

agtaggatta tggcgtaccc atcacatgcg gtgctatgtg gtggatcatgc gatgggtgcac 60
aacacgttct ccacatacac aatgcccga taaaccacc atcccctgat gccacactcc 120
aactgagctc acgtacttac acgtagccca tatgatcgtt tctctcaaca ccgggacccc 180
atcaatcttc ccaagcttcc acaacatcca agcgaaacaa cattcaaaca gctcaagcta 240
tcggggccaa gcaaaacaga gcatatgcag aaaactctgc caaaacacca accaaatcac 300
aacttttctc acttaaagac cccaataaca attccttcga tccaattcgt taaccgttgg 360
atcgactcca aaattntact ggaagtctat agtacatgaa cctacattgt gaccgctggg 420

atctactatc aaacat

436

<210> 24449
<211> 371
<212> DNA
<213> Glycine max

<400> 24449

agcttatggt cttatttctt tacaacggt ctcttgaca agacatttaa ccgaaaaaca 60
tgcgccatt tacaatcaag gcagcttctg tacctagatt atttacacgt acctccaagg 120
tgtatttggt acttacatca cacacatctc cttggctaaa ctcacatata tgcatactca 180
agcattttgg ggcacaaaa attgcacatg tgcacatctt ggcatttcta atacctacat 240
acgcaaactt catgatgaat cttgactatc tacacaataa ggtgctacat atttaagcat 300
atctttcttt gctgactaaa attgcattca aatttaaaag gtatattttt ttgcaatatg 360
ttttcttcat g 371

<210> 24450
<211> 431
<212> DNA
<213> Glycine max

<400> 24450

tgctctaaat ttacattgat gtttgtatct atgggatgag gttatatgcc atttttgctt 60
taagagtagt gtccactgg taaaattaac tttccaaatg tttgccttct caggaatggc 120
cccgaggaag cttgcctcaa agaggtccag gaaggacaag gcggccgaag gaactagtct 180
cgctccggag tacgacagtc accgctttag gagcgctgta caccagcagc gcttcgaagc 240
catcaaggga tggctgtttc tccgggagcg acgctccag ctcatggacg acgagtatac 300
tgattttcaa gaagaaatat ggcgcggcg gtgggcacca ctggttactc ctatggccaa 360
gtttgatccg gaaatagtcc ctgaggttta tgccaatgct tggccaacag aggagggcgt 420
gcatgacatg a 431

<210> 24451
<211> 283
<212> DNA
<213> Glycine max

<400> 24451

aaattacctg aaacatcagc taagacatca tcaactttttg gcctgagctt tcgatggtgt 60
cgggacgcaa agataacggc gatacactca ttggcaaagt caccacgact tgcatagccca 120
acattacctt tcattttgtga ggggagggct aactctgccg gatgatgtac actgtcaatg 180
gctagctaga tgagaactcg ttttcctcag aggattacta gctcctattc ttttggccac 240
ataagacatt ctgtagtacc taccaaatca gagctactcc ctc 283

<210> 24452

<211> 436

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24452

taagccaaaa ctaatagtgc ctgccaaagta tctgagtaat cctttntatt gctgcccatt 60
gctgttcagt gggatctgac ataaattgac agaccttggt ggccaagaaa ctaatttcag 120
ttctggtgat ggttgcatatc tgcaaagcac ccacaacaga tctgtataga gtgggatcag 180
aaaaagactc ataccctgat ttgggttaact tgcagccacc aaccattgga gaggagatgg 240
aattagcttc atccatcttg gtttttagtca acagatctct tgtatacttg gactgagtta 300
gaataagagc acattaggct gaggtctgac ttcaataccc agaaaataat ccagattacc 360
taaatacctt atagaaaact cagaattaag tntagtaacc aggatttaat gaaattagga 420
ttgttgctg tgacag 436

<210> 24453

<211> 439

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24453

tgggtcgtnt ttgtgctcga cttcaggcca tcagctctga cccgggatcc ttaaagttac 60
acgcagctgg accttctggt tggaatggct taagatatgc cttgcgctgg caacatcggt 120
ttctaccttt atgtgtgaca agatgaacgt acttatttta tgactcttga tgattggact 180
cttgtagtga atccataaaa tactcgcatc cctagaacta gaacatgagg ggtcttcaga 240

cactagttgg atgactgagg agaagcttta ctcaagaatg cgaggcta at agctcaaggc 300
 tatactaagc ccgagggcat agatTTTTgc gaaactTTTT ctcctatagc caggcttgca 360
 ggcataagac acgtgcttgg cttagttgct cgccaaaaca ttaatccttt tcaatgaatg 420
 ttaaagcttc tggtatacg 439

<210> 24454
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24454

gcttcgcact cgataccgga gaacacatga acattgctat tcaatgacat tcatgggtgct 60
 gcgaacaaat gtggagtatg gaggattgcc ttgaggggtcc tcacttacgc ggtcgtgaga 120
 ctgagctcgc cactcgagag tggaggacac attaacagcc ctagacaata gcattcatgt 180
 ggctctggaa aaggaacaga atggaggatt gccttgaggt tcctctctta ngaaatcatg 240
 gaatacaact ccaatactcg aatatggaga acacatgaac aggcctaagc aataacaatc 300
 atgtggctcc ggaaaaggac gataatggag gattgccttg acgttcctct cttacgcaat 360
 catggaatac agatgcagac tccaaaatgg acgaccctga atga 404

<210> 24455
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 24455

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 ctcttggtga tgaggtgctt ctagaggtag ctgaggagaa acctgcacct cagatgtggc 120
 tgagacttga cagcctgtat atgaccaatt ccctaactaa caagcagtag ttgtagaaca 180
 tactacatca cctgaagatg gacgagggct cttctatcaa tgaacatgtc cctttgttca 240
 caactgcagg attgatctga acagtgtaca cgtgaggata caccatgaag atccatcagt 300
 aatgctattg tattctcttg catcatcctt tgaaaagttg gtagacacta tgcttttt 358

<210> 24456

<211> 430
 <212> DNA
 <213> Glycine max

<400> 24456

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 gcattattgc ttttgaaaaa ttaattatct gtcattaatc cagctctcgc cgcagcttca 120
 gattgatcgg gcagttgttt ccatgccatt atttttcgga catcgaatgg attcttctgt 180
 ttattatttc tgggtcaata tgtatagatc gatgaacaac tttattacta acaaatcata 240
 ttaggtttca cactttacaa tggatatcag tttgaacgtc acattcacaa ctaggggctc 300
 tcattttcta gaacaacata tatcacgatt gatitgttga aggaaaccaa acctcttatt 360
 caacaaaatc caacaacgta cttgcaagca ctagacaaat tgttaaacta taacatattt 420
 cccgatcctt 430

<210> 24457
 <211> 332
 <212> DNA
 <213> Glycine max

<400> 24457

cactattgca cgagacattt aaccgaagaa catgcgccca tttacaatca aggcagcttc 60
 gttacctaga ttattttacac ttacctcaa ggagcattgg gtacttacgt cacacacatg 120
 ctctttggct aaacatacaa acatgcatac tcaagcgtat aggggcacca aaaattgcac 180
 atgtgcacat cttggcattt ctaataccta catacgcaaa cttcatgatg aaacttgact 240
 acctacgcag tatggtgcta catatttaag catattcttc tttgctgact aaaattgcat 300
 tgcaatttaa cagggatact ttcttgcaat at 332

<210> 24458
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 24458

agcacaacag agagctagat tccttgact tgaagtgtct attttatcag catatactaa 60
 aggatcacat ccatacagct taacaaacag tgctttaatt gtgccagaaa ttttcgacag 120

actacaaaaa tctgtcgatc aatattactg acgaccatth ttctaacgga tttgtgtcca 180
 ttggaaatct atcggaaca tccaattatc gactgattth tagtgttacc gacagattat 240
 tgccgtcgca aaaatgctth tttctgaccg ttacgctcat gcattttaat gaatttttgg 300
 gtccaaaaag cccttatatt catcatgaaa acactttgat tctctaattt ccacaaattc 360
 aataacatca agaacacc 378

<210> 24459
 <211> 283
 <212> DNA
 <213> Glycine max

<400> 24459

gacttcgagc tcggtgcccg tggatactct accggcgagc tgcgcgcctt ctagtttgca 60
 cttactccac atttcatgca taagatactg gtgcatattc taatttgacg atcactatct 120
 ccactatcca tcctcgtaag accaccatc tatcattgt gcatttgata ctcatctgtc 180
 tatactacca agaaaaccga tgtaactagt acttattgaa tatgtttgcc acatatacga 240
 acgaacacgc tctgcgtgca tttttagtga tacgatgtca tgt 283

<210> 24460
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 24460

tccatggatc caattataag caagtttggt gttattctga acaaattgaa ccagagaaat 60
 atctgcatgg ctggtagaac cactcttatt aatgttggtt taacaacatt acctctgttt 120
 tatatgtctt ttttcaaggt cccctcagct ttcattaata ggatctctgc catccaaaag 180
 caattccttt gtgagctcta atattgagac tagtggtggac agtaagcata aaattggtga 240
 ctgtgtatag agagctaagc tcaagactgg tgtagcttt tttccttgta cgacgtatga 300
 gtcctcata gcggaataac actcgatttc tagaattggt tcttgggttc ctatcaaagc 360
 ttaaattgaa cagtttataa tatttactta tgtacgagtt atgtgctctc 410

<210> 24461
 <211> 207
 <212> DNA

<213> Glycine max

<400> 24461

gaccaaccct gcattaatcg tatggttgct ccttggcccc ttccaattat taaacactga 60
gttgacataa gtggacaggt catttgcgac catgcaccta ttggaccatt cataacgata 120
ttaaccttaa cggaagaca gctacacctt caataattgc cattcttgcg gccgcaataa 180
cctatgcgtg agtagcaacc acttgag 207

<210> 24462

<211> 367

<212> DNA

<213> Glycine max

<400> 24462

gtggcggttat tcttaggtgg aagatcaagc ttgtattagt gccacaaacc gcgactgttt 60
tcacagtgc caagacctta caacaaggat ggagcacgct tcttcataga tggcagcaag 120
tggctccaca tattgatgag aatctcttca ttagagttat cattcaacca gggaaatggca 180
ctgttctctgg caagagaaca gtaacaactt cttacaatgc tctctttctt ggtggtgcta 240
atagcttct ccaagtgatg aaccatgggtt ttcttgagtt aaggttgaca agaaaggatt 300
gagtggagac tactgggatc gaatctgtgc tatatattgc tggctaccct gatggaacag 360
gcccaga 367

<210> 24463

<211> 361

<212> DNA

<213> Glycine max

<400> 24463

agcttgcttc tatagccaaa cgttcatatt cgattgaaga ataaagaaga gtcaaatcac 60
atctaaacag cgttttgttg tttcatattg ctgaaattga taagaaagac aaaggttgca 120
gatctcaatg ggaaatgaat caatcagcca taagacaaca atataggaca actatcttat 180
tttaattaat ttatttcatc aatttgtcta tttttacact tctagcgtct attcaagcat 240
aagacagtaa attggccata ataggcatgg ctctaattatt taaaaataa aacattgaaa 300
ttttgacagt aaaattgtca tatgacagta aattgcccac aataggaaag gcactaatat 360

<210> 24464
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24464

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 acatcgtagt ggtcggagag gaacagttct ttgcgacccat ggaactgtct cgcaccacca 120
 atcgactctt cgggcctgta gtaccacctc acacgcacct tcacgttggt cctattatcc 180
 tgctcgatca tctccacgcg cgccacgtaa gggggcttcg acgtgtccga gggccgcatc 240
 agaacacagt ctccagctgc aaaacccaaa cattttctta aacgatagct ctgctcttc 300
 aaaacgacat cagcatcatc atcatcatcg tgggcagcca caaaaacagg gaaagggacc 360
 gtcttttaac gagacaacgc anaaggggtg gcgtgtgtta cctcggacga tcttggtggt 420
 tcctcttatg 430

<210> 24465
 <211> 487
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24465

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 tatggtggaa gatttaactt ggnatcgtgc ccgaaacca gacagtttcc gcagtcatca 120
 agaccccaca acaaggatgg agcaacgcta cttcatctat ggcagccaga ggctccacat 180
 atcgacgaga atctctccat tagagttatc actccaccag ggaatgcgca ctgctcctg 240
 gcctagagat cagaagtcga cgttcttacc aaagctctcc ttcttggtag ggctcaatac 300
 gctactccaa gtgattaccc catggtctgc ctgaattaag tatgacaata cagcattgtc 360
 tgtgaaccac ttggatctaa tttgtgctgt ataatgctga gcacccatgg ggaaccngcc 420
 cgaaatTTTT ctcccatgga atatcacatc caaggcttat ttcaatgcca aacagatttt 480
 gccagcc 487

<210> 24466
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24466

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agcttgccctc ccagctcgcc caggcgagcc aggttgcttc ctccagaagc aaccgccttc 60
tggaggaaga atctagaagg cccaagtggg tctggttgct atttgacac tttttttttt 120
actaaataca cccctttgct ttttttggtg attctttttc tataacgtta caaagcttta 180
cgaatttcgt aacgataactt gttatctttc cgtaagggtta cagaacctta cgaaacatgt 240
aattactccc ttttttagct gtcgaaatgt tacggaaact cacgaattgc gtaacaatac 300
ttccttttga tttccagcat gttacggaat ttcacagatt gcgtaacaat gttttctttt 360
gatttccggc atgt 374
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<210> 24467
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24467

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tggcctacgt cagttgaaca aaccctcagc tgccatttac atataacaaa ctagccgat 60
gtcaacataa aaataacaat gagtaacgtt gaccaaaaac ctacgctatt tgaacaaaaa 120
aatatccata aaatggcttt ggcaaaaacc ctacgttgat gtcgaccaa aaacctagca 180
tatgtcagcc aaaaaaaggc cttggcatcg accaaaaata gtcttgacca ttgtcaacca 240
aaaaacatca tcaactgata agttctatcc tattttattg tgtccttttt tactcttaat 300
gtcttttgtg gccagtccaa ccatttgaat gatgtgagaa tagactgtga tgggaaagtc 360
atgatnttat ttggaattga aattggatgg ttgatgtgtt at 402
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<210> 24468
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24468

agcttcggtt tccgagagca tttcttattt aagcacttca gtcttttctt ttgtgtagct 60
taggaaaaac gtcatttctt cttctttatt tcttccaaag acattttctaa agtttcaagc 120
actttctcca tcaccacaaa ccaccattag ccaccacaaa ccatcattgt tctccattga 180
aaaccacac cgagaggaac cttcaaccg aagcggaatc ttccaactcg gcttgcgggt 240
ttggcagaga acgaaaatcc taatctgaac tttcgtcttg tttcgaggta accatggatc 300
tatgcttatt tcttgtagt tacatcttgt ctttgcattc tttctgactn tggaaccacc 360
attgcatgt 369

<210> 24469
<211> 436
<212> DNA
<213> Glycine max

<400> 24469

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ggccaagaga tggctgcatt cattcaaggg caatagttaa aagacctgag atgaggttgt 120
tgagaacttt ctaacaaaat atttcccaga gtctaaaact gcaaagggaa aacttgcaat 180
ttcttcattc cataagtctt cccatgaatc tttgagttag gcattataaa gctatagaaa 240
actctaactc atggtttttc agagcctatt cagctgaaca tcttcattga tgggttacgg 300
ctgtagtcaa agcagttact cgacgcttct ataggaggaa aaattaagtt gaagacacct 360
gaagaagcca tggacttaat tgaaaatatg gctgtcagt accatgcaat tctgcatgat 420
atagttcata ttccta 436

<210> 24470
<211> 368
<212> DNA
<213> Glycine max

<400> 24470

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ttctataatc gattagcatg tgctataatc gattacttct cttttaaaaa gtgtttcaga 120
agtgatcaag aacactttta ttgattacat tgaggatcta atcaattaca ttgttcttga 180
aagttttcca gtttttatga agaactttt aattgattga aatgataata taatcgatta 240

cttcttttaaa ataattgatt acattgtata ttcaatcgat tacatgtggt tataactatt 300
 ttctctataa atagacacat tgtgtgctca cttctaaca cttcagtata cataagttta 360
 ttatagtg 368

<210> 24471
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 24471

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 agtcccgaag aagaccggcc tcacagtgat aaaaaatgag aaggaagagt tgattcctac 120
 tcgggtgcag aacagttgga gagtctgcat tgactacagg aggctgaacc aggttaccaa 180
 aaaggaccat tttcccctgc cattcattga tcagatgctt gaacgcctgg caggtaaadc 240
 tcactactgt ttcccttgatg gtttttctgg ttatatgcaa attactattg ctcttgagga 300
 tcaggaaaag accacattca cctgccccctt tggcactttt gcttatagga ggatgccttt 360
 cggcctgtgc aatgccccctg gtaccttcca gcggtgcatg attagtattt tcagtga 417

<210> 24472
 <211> 362
 <212> DNA
 <213> Glycine max
 <400> 24472

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 ccaatcatat ctatggatca ggctctggaa taagcgtgct ggccagaatc tcaagtcctt 120
 ctggagagag cccataccag cgttcctccc ggacctgtac tactaacact gagccagcat 180
 catgaagagc cactgcctac tggagtagat gcacactgct tcttcggaac tcgagacatt 240
 gtctctaca gcactacctg tgatagacat cctgatgac ttaactgatg aagccggtgc 300
 tccttttgat acaccatctt gcaacataga cgatggttgt gactattttg actagataga 360
 ct 362

<210> 24473
 <211> 435
 <212> DNA

<213> Glycine max

<400> 24473

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ccaaaaacca aaacttggac cttcattctt ctccatttgt gcgagacact caaggaggga 120
gaggtcacca ttttcatctt ctccaagct ccatctgtga gacttcttct ctcaaagcct 180
tggtagaag cccttaaacc tctattttct tcttatttat ttttcatttt tgtgcaaaat 240
tcttacttga ggttcacaaa tttctttttc atcctttcga agcttaagag ttcaagatct 300
aagttttttt tccttgacca tttcgtggaa gcttcactta aggtaagggg agtctttcca 360
cttcttaaac cctaaccttg ttgtctttgg aagctagggt tcattacatg ttgttttgat 420
gtttaaaatt tcatg 435

<210> 24474

<211> 352

<212> DNA

<213> Glycine max

<400> 24474

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taattatgac ctttcaagca atagatacaa tccaagttgg aggaatcatc caaatctgag 120
atggacaagt cctccacaac aacaagagcc tgtccctcct tttcagaatg ctactagtcc 180
aaccaagcca tatgttcttc ctccaataca gcaacagcaa caacaacagt cacaacaaag 240
acaacaagca actgaggctc ctctcaacc ttccttaca gagttagtga ggaaaacgac 300
aatccagaat atgcaatttc agcaagagac aagagcctcc attcagagtc tg 352

<210> 24475

<211> 427

<212> DNA

<213> Glycine max

<400> 24475

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aaggctctgag agaccataca agtttcttaa cgatttctaa ttatgtgggc cattaagtct 120
atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtaggtgtct 180

gccatcgctt tggccttggc taacaatcgg ggaagttctt gactcccgtt caaggtaaga 240
gcaaaccgat ccatccacat ggttgctctt tgggtgtaaag agtcgatcac ccttcctcta 300
gcctctgttt cgcataatc ttgggcatac tcattccgca ttctatgctc gggggccgtg 360
gctagacca actcttcttg gtacttggcg atgatagcta acatgttggg ttctgtctcg 420
catagat 427

<210> 24476
<211> 294
<212> DNA
<213> Glycine max

<400> 24476

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gaatgtatgg atacatgatt ttgatgatgt cgaagaataa gccacaagg ctgcttcaaa 120
tgataagcat ttgcttgaag aataattcat gattgcttca acaacaaaag cttgttttca 180
tgattcacta tacaccaatc ctttgcttat aacaacatgc tttcaagaca tgcgaggctc 240
tggaatcga ttaccatgaa gtgtgatcga ttactcgcag acagggttga gaaa 294

<210> 24477
<211> 432
<212> DNA
<213> Glycine max

<400> 24477

ttgatggtgt cgagaagaaa tcacatgttt gtcattatct taagggggag aatgtgaatg 60
tatgtataca tgattttgat gatttcaaag aacaatctaa caaggctgct tcaaatgata 120
aacatttgct tcaagaataa ttcaagattg cttcaacaaa caagccttg tttcaagatt 180
cactaaagac caagccttgc cttaaaacaa agtgctttca agacatgcaa cgctctggta 240
atcgattacc aggaagtgt atcgataacc agaagacagg attgagaaat agctgttgaa 300
aaagggtgaat ttaaattttc aacatgtaat cgattgccat atgtgtgtaa tcgattacca 360
gcaacagaac tttggaaatt caaattcaca agtcataacc cttcaaacta taactgtgta 420
atcgattaca ca 432

<210> 24478

<211> 358
 <212> DNA
 <213> Glycine max

<400> 24478

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 gaccattggtt aataactcaa ttttgatagc tatagattta cacattgctt ttcagcagca 120
 agtctgctct ttttggattg gctgtcatca actaattagc tttggtagcg gtcagatctg 180
 atgcattctt catttgatag atcatagtgc caagacaagg ggcaatgagc tggaaataca 240
 tctataccta tgaacaaaag tgaacccgga catgaaaggc agagccagac tacatgtgaa 300
 gccaggcaa taggatcttg atcttctatg cctatctctt tgttggttaa acttcatt 358

<210> 24479
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 24479

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 tttgtttctt gttttcacct agtactaaaa tgttggtttc accatttcta gtacaaattt 180
 tcaaacacca gaaacaaact gaaaccaaag ttgtggtttg taattagtta aaagaaaaga 240
 tagaatagag gtagaaaaca tttccttaaa ccaaacaggc ccataagttg tcggtctttg 300
 gacataattg gtggtacttc ccatctctaa acttcataag cctggatgtg cattgggtcaa 360
 ctatagttaa atgatgaaag aaaaaacaaa ttctgagctt gtgattgctt gcacctttgt 420
 gaaca 425

<210> 24480
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 24480

agttgtgatt ttatacttgc ccgtcattta tcagtgtttg cgctcggagg ccccgctcta 60
 caaatgctc tggagctcta ctggacgact atttaaccaa agctggtatg ggaatgttgc 120

gagaaccctt caacagctta ctgatacgat ctgagaagtg tgcattggcac gtgggcatat 180
cgacgtgctt atgtataaca gcccatcgag catgtttcct tagaaactcg atcactccat 240
gtggataagg gtggacacag tgcactaaat ccttctcaag tgtgatcaac tatgtgcttg 300
ctaggagtgc acgctgcgta ctatttttta 330

<210> 24481
<211> 406
<212> DNA
<213> Glycine max

<400> 24481

tgcatacaag attcttcctg tctgacactt ttaatgtttg tggccgggtc atataaatgc 60
cttcctatac atccctatgc gagaatgcag ttgtaacagc taactgctcc acgtgaagat 120
tgtctaccgc tattatgctt agaatagccc tgatgggtgt catctttaca actggagaga 180
agattttctgc gatgtcaatt acttgtttct ggtgagaccc ttgaccaca agattcgact 240
tgtgtcttct tgtaccgtca gatgggtact ttagcctata taccaccta gttggtcatg 300
ccttctttcc ttctggctat ttatttaaag accacgcttt attgttgatg acggatggca 360
tgtcatctgt catcgctagc ttccactcga gaatgacatt cccctg 406

<210> 24482
<211> 350
<212> DNA
<213> Glycine max

<400> 24482

agcttttctt cgtgggttgg cgggttctgt ctcgtagaat ggcatgatca ttggctgaca 60
tgttctcaat tagctctgtt gcttctttcg gggctctcag tttatcttt cccctacag 120
aagcatctaa cagttgcttg gtttggtgtc tcagcctatc tataaacata ttcaattgga 180
ttggctcgga aaacccatga gtgggagttt ttcttaacaa gcctctgaat ctctccaatg 240
cttcactcag agattcatta cgaaactgat gaaatgaaga gattgcagct ttcccttcta 300
cagtcttggga ctctgggaag tatttcttta ggaacttttc aacaacttct 350

<210> 24483
<211> 433
<212> DNA

<213> Glycine max

<400> 24483

cgaacctccg ttggagttgt cggttgttgt tcacttcata accgactcca ccttggtcgg 60
atccaccgca acccgtctt tagaaatcac gtgccctaag aactgcactt tctccaacca 120
aaagtcacat ttcgacagtt tggcgaacaa ctctctatcc ctcagaatat gcaacacaat 180
cctcaagtgc ttctcatgct cctccttatt ccttgaatac actaggatat catcaataaa 240
cacaaccaca aatgggtcca aataatcatg gaatatacgg ttcatatagt ccatgaaaat 300
agccggagca ttagtcactc caaatggcat gactaaatac tcgtagtgcc cataccgagt 360
ccgaaacgca gtctttggga tatcttcctt cttaactcgg atatgatgat acccagatcg 420
cagatcgatt gtg 433

<210> 24484

<211> 346

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24484

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atggatggcg cctcctctca cctcttctcc tttgccttcc gctgcatctc catggagaaa 120
aatcaccatt gaaggacctc attgaagctc aaagatccag cctccataga agctccacaa 180
gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
tccattaatt ctttttcttt accttctctt ccattggtgn ttcttcattt ttctccatgt 300
atctcctcac atgtcttggt atacatgttg ttaacatgat tcttta 346

<210> 24485

<211> 418

<212> DNA

<213> Glycine max

<400> 24485

tgcggactat accttcgacc aaacacggcc gtgtttctgt ctcggcccg atttaaagcg 60
ggttgcggta ccggctccgc ttccctaacc gtactggagg cggttgccgt ggctttatcc 120
tctatggttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180

gccgatagat cggccttcat ctgttcctgc acaccctctt cattatccat tttcctggat 240
 cgagtgttat aggggtgcct tgggtgtttc ttagttatga tgaaattcct aaagaaataa 300
 acaacggtga gtatgccacc aaaacatgag tatgcaaag gatgatcgga gcacttggat 360
 ccaccccaag ggttttagat aacgtgatga gtccagaact tctcatttat aaaaagac 418

<210> 24486
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 24486

agcttgggct aagcgagtca gtctcgctaa gcccaaggca atttagttgt tctgaaattt 60
 gttcatgcgc taagcgagtc acactcgcta agcgcaattt cctctctgtt tttgattgct 120
 cgctaagcca attaagtccc aatgggtcaag ttaggctaag cgcctactgg cactaagctt 180
 gtttagtggtg tcgcgctaag cgagcctgtc tcgctaagcg caattagctc tctgttggag 240
 aataaggctt agcgagccat gctcgcttag ccattgtgtt gtgtagcta ggggtgtctcg 300
 cttagccaga gtctttatct tttagtagtt gtgctaagcg cgccttgcgt gctaagcgtg 360
 t 361

<210> 24487
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24487

agatgattca acttttcttc tctagggaca acaagtcgaa ccagttatca agtcccatca 60
 acttcagcga ttcgtcgtaa atccccagat tccactccgc ttcctctcta aagatgatcg 120
 tcacgctggc attgagaatc cagcttatga aacttgggag caacaggatc aagtgtcctt 180
 cacatggctt caatcgactc tctctacgtt gattttatca cgagttctag gatgcaccca 240
 ctctatgag gtttgggaat gcattcacga ttatttccac aagcaaaca tagccacagc 300
 tagtcaactt cgcactcaac tntgtgctat gacacttgca ggcaactcaa tacgtgaatt 360
 tctgtcacag attcgagcaa tttctgattc tctagcttct gttggaagcc ggattatgct 420

tc

422

<210> 24488
<211> 345
<212> DNA
<213> Glycine max

<400> 24488

agctttgact tgagtcacatca agagattata aatatgtgac catggcatga atttaattaa 60
taatttatct ttcaatcttt tttcatcatc tctcaacatc tttgaactct ttctacagaa 120
ttttctgatt cattttctctt catctttctt aaagtttttg ttcaataactt tttctttgaa 180
gaaaagttct ttgatcaaaa acttggtgta ttcattctttt tcattctctt ctccctttgc 240
caaaagaaca gaaggactaa cgcctaaat tcttttgtgt ctctcttctc ccttttccaa 300
aagaataaaa ggactaacca cctgaattct tttgtgtctc tcttc 345

<210> 24489
<211> 315
<212> DNA
<213> Glycine max

<400> 24489

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ggctgtatgc tctatcgaat tctggagtat taacatgacc tcccaaatgg aagccatttg 120
atctttttaa gccgatagat cggccttcat ctgttctgc acaccctctt cattatccat 180
tttctggat cgagtggat aaggggtgcc tggggtttct ttagatatga tgaaatttct 240
aaagaaataa acaacggtga gtatgccacc acaacatgac tattcaaatg gatgaatcgg 300
gcaattggat ccacc 315

<210> 24490
<211> 375
<212> DNA
<213> Glycine max

<400> 24490

ggttgtctat ttggtgatct tgagcttctc agttcttggt agaagtttaa ttgactcttc 60
atgttttagat tttaaaaacc aacgtttaga aacactggta atcaattaca aatattgtgt 120

aatcgattac acacttttga gaatattgta tcacaagttg cgactcttga gatttgaaat 180
tcaacgctaa tatacattgg taatcgatta cattaccatg gtcacgatt actactttgt 240
aaaacaatta taaaactgtt tgcgactttg gtaatcgatt actgtcttat ggtaatcgac 300
taccatagaa taaaaactct ggtaaaagat ttttctttga agaattcttt tggacaaata 360
gtgctattca atctt 375

<210> 24491
<211> 433
<212> DNA
<213> Glycine max

<400> 24491

tactaagctt atcttcaagc atagaatgat tgtacttcta gcttttagcta tcatctctga 60
tttctccttt gagcttagag attcagacat cttttcttct cctttaagag cttctgcaca 120
gccatgttga atcaagattg cttccatctt gattctccat aaccggaagt cattttcccc 180
tgaaaacttc tctatatcgt actttgttgt tcccatcttt cttgatcttg atcctgtccc 240
acagacggcg ccacttggtg gttctagtta taaattctgc tactcttaat ctgcataaga 300
tcaaaaaaca agaaaaacac agaaaacaga gcaaagcaat acacagcaga gcaagaaccc 360
aaagatttac gtggttcgac aatgtgccta catccacggg aaaacgtagt tcatcattat 420
cgcattgatc atg 433

<210> 24492
<211> 370
<212> DNA
<213> Glycine max

<400> 24492

agcttatact ctgctttcgc ttttctttaa catttgcttc ttgcactttc tggaaactct 60
tcgaattttt tgaagcttga aatgcttttag cagtcgactt gtcaaacacg acgttacaac 120
aaagacaaag cataacctct ttctcaactt tttgtttctt caatagaaat tcgaccaatg 180
attcctctgc aagtggaaac ttttcttctt ttttgaactc ttccaaggct tggttgacct 240
cctctctaga taaaggagca ctcaactttg gtgttcatat cgaagctccc atcatcatga 300
tttgcattggg tttgatatag atagcctgaa tatggaatgg atcaatatcc accttcattg 360

gtttctcttc

370

<210> 24493
<211> 423
<212> DNA
<213> Glycine max

<400> 24493

tgagatgagg aagtgtagaa gggtagaaact tcttgctttt attgttgacc acagagtggg 60
acctggagat atgtcgcggg ggtcaggaga ccttagggac gtcagggtggg gtgctattgc 120
ccaaaaccaa gcttgaccaa tcccaaccca acccgggcat agtcgggtcaa tgagaacctg 180
tgaggtagct aaacaggcga gtccttgcca gtcaacagat aaaaggaaca aagaccacaa 240
agcaaggagg cttgtgggtg ctggccagct gtgaactttg attgatatgt gggttatggc 300
ctctggtaat cgattaccaa ggaagggtaa tcgattacaa ggcttaaaaa tgaagacagg 360
aggctaagat ggtctctggt aatcgattac cacgggggtgt aatcgattac caggcttgaa 420
aac 423

<210> 24494
<211> 375
<212> DNA
<213> Glycine max

<400> 24494

agctttacat cagattttag taatgaccca ctaacctaga attaaaataa cttaatgcc 60
ttaacctagg gaattaaaaa aaaaaaaaaa aacttaatgg ctgagtgtaa ctgaaattgt 120
ggcaacaaaa agtcaccccc aacagccaac aagtcagcca ccatttggtc tcccaaaagg 180
ctgatgecta ggttgccaat tggggccctta ttacaacttg aactaaacct aactaaagca 240
cttttagttg attcacccaa aacatatttt tggtcagcca actttacaag gattggggcca 300
ttattttgac aaactaaaca ctctaaaatt gagacaaagt ggtgtcattt agtcctcctc 360
catttggggc atgat 375

<210> 24495
<211> 434
<212> DNA
<213> Glycine max

<400> 24495

tgtctcagcg tttatgcgag acagagacca acatgctagc tatcatcgcc aagaaccaag 60
aagagttagg tctagccgag gccacgagc ataggattgc ggacgaatat gcccaggtat 120
acgcggaaaa agaggctaga ggaagggtga tcgactcttt acaccaagag gcaaccatgt 180
ggatggatcg gtttgccttt accttgaacg ggagtcaaga acttccccga ttgttagcca 240
aggccaaagc gatggcagac acctactcca cccccgaaga gattcacggg cttctcggct 300
attgtcagca tatgatagac ttaatggccc acataattag aaatcgtag gaaaacttgt 360
atggtctctc agaccttgac tagatatgaa cttccttttg aaataaaatg agttggtccc 420
atgtttctac tcca 434

<210> 24496

<211> 373

<212> DNA

<213> Glycine max

<400> 24496

agctttttga ctctgattc tttggaactt gcttaactct tgattcttta tcatcatcaa 60
aatagtcttg gaagtcattg cttccacaaa tcattccagg actcaccacc atcacctgag 120
acatgtgtgc tttaaaacat aatatgatgc ataaatggaa ataggacata tggaataatc 180
gtaagtggca caggaaaaac aaacatgaca aattgaaagc atctccaggc taaaaataa 240
aaaatataat ttttttttaa ttagatatga accccaaatc agagtgagaa tctgtttgca 300
ccaactctat catgcatctt aaatatgact aactatctat gatggatgag gcctttatgg 360
tttatacaga cag 373

<210> 24497

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24497

ntagctntgt ggggatagtt tttgaatatc tagattatat tttcattaag agtctagtag 60
taatataaaa ggattagtag tttgggttttg tgtatcacat tttatctatc aataataatt 120
ccagtttatc agcctgagcc atcgtctctc ttttctttct tccctaacco taaaattata 180

attctcaaca agcttcatcc ataaatcata ctggagggcc tatcttcttg aggtaatttt 240
cgaggaatga gattcatttt cattcaaaag gcataaacag aaaaaccaac aagttacaat 300
ttcaagaatc aaggagata aacatttgag ttttaagatg aaattattgg aggaaggtaa 360
ttggaattta caagttaatg ctaaccttat ttgtgatgag atgtcttana agattaggaa 420
ggtttctaga gcagt 435

<210> 24498
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24498

cgctttcaag tcttttagtc tcagaggatg cagctgagtg tgcagctacc tcatgcactc 60
ctctaatac tatggcatca tttctggcac taaactgctg agagttggaa gccatcttct 120
caattaaatt tctggcttca gcaagagtca tgtctccaag ggctccacca ctggcagcat 180
ctatcatact tctctacata ttactgagtc cttcataaaa atatcgagaga agctgctccg 240
aaatctgaag gtgagggcac ctggcacata gttttttaaa tcgctcccag tactcataca 300
gactctctcc actgagttnt ctaatacttg agataccttt cctgatggct gtggctcctgg 360
aagcagggaa aaaa 374

<210> 24499
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24499

tgtaatcgat tacacacata ctgtaatcga ttaccttatg agattttcag aaaatattct 60
caacagtcac atcttttcat ttggttcttg aatggatcatc aaaggcctat atatatgtga 120
cttgagacac gaatttgcta agagtttttc tgaacaacaa gtgtttattc tctcaaaaag 180
caaaatcggt ttatctctt aagaattcct tggccaattc aattgcaatt cattaaggaa 240
tcatttgagt gctcagattg taaaatctat ctcttcaaga gagattcatt cttcttctct 300
ttctaattca ctaagggatt aagagaccga gggctctctg ttgtaaaaga attctaaaca 360

caaaggaagg attntccttg tgtgtttaga acttgtaaaa ggaatttaca agatagtgga 420
actctcaagc 430

<210> 24500
<211> 170
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24500

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atagttaagc cagccccgac acccgccaac acccgctgac gogaaccctt tgcggncgcn 120
ttnaatataa cttnnnatca tgtatgctat cctacgtatt agccatgacg 170

<210> 24501
<211> 298
<212> DNA
<213> Glycine max

<400> 24501
gatttacata tgaccacta tcctataatt gacataactt agtgcctttc acctatgtag 60
ttattgtatc atgcttaatc ttatgcgttg gctgattctg atcatggggc agccagagat 120
taccctcttc atgcaacgaa catgacacct attggtctcc aaaaaggctt gagcctaagc 180
tgccaaaagt gcccggtatt acacacgaac taaacctagc taaagcactt gttagtgagt 240
caccagaac atatttttagg tgagccaact ttacatggat tgggccatta ttttgaca 298

<210> 24502
<211> 370
<212> DNA
<213> Glycine max

<400> 24502
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tgctgcacaa ctagttatgc ttttgctttt gcttttgctt ttgcttttcc acaggttcac 120
gattctgaca tttcttgata tatataattt tctctttgaa agttctacga tttctccgcc 180
ttggggcttc cactattctc tctctgcatg ctctgacgtt gaacgacatg ccccatcacg 240

cctttgtggg ttacgtatca aattcgaatg ttgagtcgct cttgtgacgc atttagattg 300
 actactactt ttgcttatgg gatatagcac cttcttaatg gtgcatccaa caagcataag 360
 tagtgaaaac 370

<210> 24503
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 24503

acctgcacac tagatttttaa taatgaccca ctaagctata attaacataa cttattgcca 60
 ttaacctagg gattgatatg agtcatatg ttcttcatgg ctgaatgtaa ctgaaattgt 120
 ggtcgccaaa agtcaccccc aacagccaac atgtgctcca ccatttggtc tcccaaaagg 180
 ctgatgccta tgttgccaat tggggccctta ttacaactgg aactaaacct aactaaagca 240
 ctttgagttg attcacacaa tacatatattt ggtgtagcca gctttacaag gattgggcca 300
 ttattttgac gaactaaaca ctctaaaact gagacaaagc ggtgctattt aggcgtactc 360
 cattt 365

<210> 24504
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24504

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 gttttgttct attgtccaaa tttccctaatt cggtatacaa gtagtagaga gaaatggaag 120
 tttgaaggtc tattttaaag ggtgtaagtt gtaacattta tttagggaga acattaggtt 180
 tatgaattat ggtcttcttc gtcatgcaat gaaaccaat cttgatacac aatagaccca 240
 aggaatgaag cctacatttc tgctatttta tgatttcttt aattttctct acaacactaa 300
 cattatctat ggtagacagc agtaaaaaatc caactcatca aacaatagtt cctttcctta 360
 agcttcctta ntaccatta aaattagaaa actaaccaca gataatgttc act 413

<210> 24505
 <211> 366

<212> DNA
<213> Glycine max

<400> 24505

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ggggtagtgc taatttagaa aatcccttaa tgaatttcct ataatagcca gccaacccca 120
agaaacttcg aacttctgtt ggagttgtca gttgttgcca ctccataacc gattccactt 180
tagccgggtc catcgcaacc ccgtctttag aaatcacgtg ccccaggaac tgcaccttct 240
ctaacaaaaa tttgtatttc gacagtttgg cgaacaattt cctatccctc aggatctgta 300
acaccatcct caagtgcttt taatgctcct cttattcctc cgagtacact aggatatcat 360
caatga 366

<210> 24506
<211> 402
<212> DNA
<213> Glycine max

<400> 24506

tagggatgga acacttactt gttggtgatt tacaatagcg caaaacggaa tcaaaaaatg 60
cgaaaaagga tgaccctagg gctgcaaact cgtcaatccc gtgggtatgg cttttgaaag 120
gggggaaaag aagattttga atgcaaaaac gtccccctt tcgtcattct tataatttgg 180
tgcaggggtg gctcgcccag actcgcccag ctcgaccatg cgagctaacc tgcataaag 240
ctttcttaat aagttgaggg gaacattaac catgttacct accttcacat ggattatcac 300
ttagtctacc ttgatcttac ttagggcaga atgaagtgc gtttccttga ttgtaccatc 360
taacacaaac actatagctt atatatagct gtatattaca gg 402

<210> 24507
<211> 358
<212> DNA
<213> Glycine max

<400> 24507

atcttctctg ggaaaaatgc tatgcaggct ttgttaaccg ttggatcttc gcgaagtttg 60
atctgcaatt tcaaaagaca attttccatg atctgaccgc tcggatcttt gagaagatgt 120
ctggagtgtg ctagaagcct cttaatgaag cttctagagg aagcctctta atgaagcttc 180

tagaggaagc ctattagtga agcttctaga gataactaca tgaagctgcc tcggtaaaaa 240
 tgctgcccag cctacgttaa ccgttgaatc tttttgaaat ttggtttgca acttcacaag 300
 acacttttcc atgatctgac cgtgctagaa gctttcgttc ccgagagcat ttcttatt 358

<210> 24508
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 24508

ctttggtgga gattccacta tacgaggata aatattgtct aacatggtac atgctaagac 60
 tgattcagtt agtccagcag tagaatcaac tacagattta gaggaagaaa agattatgga 120
 gaatgagtag tccaagagga cttcattgga gaataagatg gccaggtgga acaagagaaa 180
 gagttgaaac aaattgaaga atcattactc gaagcatggt tgaataaaga cgacttactg 240
 gaagtagatg cgatgagttt cttgggcta atgaaagtgt tgaggatgat 300
 atatgcgttg agaaaaccaa ttgtgctaca ataagcaatg tagaagatga caaagtagta 360
 gagacaacat tcgacaagcc taccatagag attgtagaac atttgagacc attctacatg 420
 aaccgctcac t 431

<210> 24509
 <211> 359
 <212> DNA
 <213> Glycine max

<400> 24509

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 gaccattgtt cttccttccc gcgatgctcc ttttcatgtc tgctgagtg ggcttatagc 120
 ctaaaccata cttcccacga ttaccttggg tatttatcag tctagttatg ccgccgttgt 180
 tttttcctaa acccatcccg ggctcataac cgttcccaa cataactcgg gccatcatta 240
 ccgctgcac ggacagacta ggctgcccac agagggagtc cacggaggaa atgctgacca 300
 cctcaaaaga ctggaaagca gtttctaacg attcttctgc ggcttcaca taaggcatg 359

<210> 24510
 <211> 394

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24510

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cgacagtcac cgcttttagga gcgctgtaca ccaccagcac ttcaaggcca tcaagggatg 120
gtcgtttctc cgggagcgcac gcgtccagct catggacgac gagtatactg attgccaaga 180
agaaataggg cgcttcgga ggacatcact ggttactccc atggccaagt tcgatccaga 240
aatagtcctt gaatnttatg ccaatgctga ggccaacaga tgagggctcg cgtgacatga 300
gatcctgggt aaagagtcag tggattccgt ctgatgccga cactatcggc cagcttatgc 360
gatattcgta cgcgttgga gaagaccact aatg 394

<210> 24511
<211> 376
<212> DNA
<213> Glycine max

<400> 24511

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ataaacaatt caaaaatagg tgagattctt taacaaaaag gaatgacaat tatgggctaa 120
ttaagcttat tgggaaggac actagtcttg gctgagacgg agacaagaaa accattgctc 180
ctagtgatga atggtgggaa gccaaaattc aagtgtgtac tattcaacta aaataaagtt 240
agttctagtt gcatgtcatt gaactttctt cagtaggaag tatgttaatc aaacactcaa 300
tggaattgc atgtaattgg agagtaattg gtttctcctt aagagtctct ttgtcaagtc 360
caagtgtgac ttggga 376

<210> 24512
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24512

tacatgncc atgctgagac tgattgagtt attccagcac tagaatcaac tactgattta 60
gaggatgaaa agattatgga gaatgagtag tccaagagga cttcattgga gaataagatg 120

gccaggtggg acacgataaa tagttgaaac aaattgaaga atcattactc gaagcatggg 180
tgaataaaga cgacttactg gaagcagatg cgaagagctt cttgggcta at gctgggttaa 240
atgaaagtgt tgacgatgat atattgcgtt gagaaaaccc attgtgctaa cctaacgcct 300
gtagaagatt gacaagtagt atagacaaca ttcgactagc ctacaataga cattg 355

<210> 24513
<211> 376
<212> DNA
<213> Glycine max

<400> 24513

agcttatgcc cctctctttc tcttttgctc atacgagcta tttacaacat tacttgcttt 60
agtctcctta cacatattct tatttgagcg tcagagttct ttgttttaca agtccccctt 120
ctgttaaagg caccacacaac gccgacgtgt gaagttcaga accacactta accacgtcaa 180
ccctgatgtg ccaagggtcc agattttggt aagaacatcc ccaaaacatt cattcttgct 240
ccaacattgc atgtgaaata gttaccaact aaccaaccat tatgacaatg acaaaggcat 300
gcaccacaag cataagcatg tcctcccaat gaagaagccc tatgttggtc cacaagtatc 360
ttataccagg agcact 376

<210> 24514
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24514

tntctttttc ttcttntttt tcctttcttt ntttttcaaa ctttcatttg ttctaacaat 60
ccccacttg aaatttgaaa agaagatttt cgaggatttc ataaaattgt gcataaacia 120
aggtgtcata caacttgaac ctttgcatag tgagtaagat tcagatttta ttagagtgac 180
tcgaagtctt gaactctatc tcgacatca aaccacacac aaccttttca taggtgtatt 240
ctataaagcc cgtgcgttaa agaccatgca cgtctatccc ggtatagtga acgctctaga 300
natntttgcc caaaatttca tatgaagcgg cccccacttt aacattcaca taggtgagtc 360
tatcaagagt actcctgt 378

<210> 24515
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24515

acctttgggt tgcatttttt acttatgtgg cagggcgggc ttccttcacc ttcttgtctc 60
 caacgcggac tttgaccatt gttcttcctt cccgcgatgc tccttttcat gtctgcctga 120
 gtgggcttat agcctaaacc atacttccca cgattacctt gggatatttat cagtctagtt 180
 atgccgccgt tgttttttcc taaacccatc ccgggctcat aaccgttccc caacataact 240
 cgggccatca ttaccgctgc atcggacaga ctaggctgcc caaagagga gtccacggag 300
 gaaatgctga ccacctcaaa agactggaaa gcagtttcta acgattcttc tgcggcttcc 360
 acataatgca tggg 374

<210> 24516
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24516

agcttaatat ttctatatat ggcttaaaac aggcctcccc tcagtggtag cttaagtttc 60
 attggataat ttcttcattt ggttttgatg aaaatccata ccacaagatt agtgggagta 120
 aaatatgatt tcttgtttta tatgtagatg atattttact tgcagccaat gatcgggggt 180
 tgctacatga ggtgaaacaa tttatctcta agaattttgg catggaggat ataggtgatg 240
 catcttacgt cattgacatt aagattcata catatagagc tcgaggtatt ttaggtttat 300
 cacaggaaac ctatattaac aaaattttag agagattntg gatgaaagat tgtttaccaa 360
 gtgttgctcc ca 372

<210> 24517
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 24517

tgtagagaga tctttgttct agtgtaatcg attaccccaa atttgtaatt gattactttg 60

ttctgttgag accatgtttt ttttcttagg tctttgcttt aatcaattac gaagatatag 120
 gaatcgatta catggttctt gaaagtgttc ccagaagtga tcaagactac tttaatcgat 180
 taaatcaaga atctaattga tcacattggt attgaaagtt ttccaagtgt tggaagaac 240
 actttaatcg attaaaatga gaatataatc aattacatct ttgagataat cgattacaag 300
 ttgttctaac tattttctct atatatagcc accttgtgtt ctactgtca agcattcaaa 360
 acatacgggt ttgaatgaac ttttaactca agacttcaat gatcttttgt tgaagatttc 420
 aaatgttaga gtgagt 436

<210> 24518
 <211> 367
 <212> DNA
 <213> Glycine max

<400> 24518
 agctttatca cttttcattc ttgagctgat tgactatctt gccgtgtttg agatgcttgg 60
 atgattttca tgacggcctt cactctttaa ctctttacgt gttggatgtt acccattctt 120
 ttcattcctt gagattcatt gagaaatatg taattgttgt tgtgtttgtt tgtttctctt 180
 taatgtctct ggatttgtcc cttgctttgt tttttatttt gcccaggagt gcaaaagcct 240
 aagtgtgagg ggatttgatg tgtcatcatt ttctcctaata tcttaaccct tttgtcacc 300
 attttaatta ctgattagcc ttaattgtca aattaattat gcagctgtat catttaggca 360
 tattgga 367

<210> 24519
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24519

taccctcgct atcgttcaac gactttcccc ggtaaataca atcgttcaat cgtgaataag 60
 acataaacat atccacaaat gctgttgtct caagtgcag gtggcaactg caatttcatt 120
 cacgctcacc ctccaatttc tcttatttac cttcatacc ctactttta tocataatta 180
 ttaattatca ataagcacia aatttaagta agtgctgcag cctgcaggtc ttcctttttt 240

ttttaacact catatccata agtgaaaata ctaatcagaa atttgataaa aaaaataagt 300
aaataattta atcttaattt tagtatattc atcatttaat gagttctgcg tgtttgacaa 360
aacacaacca aaatcatttg tagaataaaa aataaaaaat attttttttt cataaactca 420
aattaactnt ata 433

<210> 24520
<211> 367
<212> DNA
<213> Glycine max

<400> 24520

agcttgataa tattagagca ctacaagaag ggggtctattg aggatgcaga gagtgtgtta 60
tcagaaagcc atgcaggcct ctatggaaat ggtagacaag ggcacacctg atgaccaatt 120
tatttggaat tcaatgccac ttagtctgac ccaacaagaa cttccagtaa gaatatgctc 180
aacataaatg acataactcta gtactcctcg agtggattgt gcaaattttg ccccccaatc 240
aatttcttag cttcacactc ttaataactct ctcaattggt aaaaagtatt cagggtttcg 300
ggattgttt atttgaggga aaaaggaaat tgggtgtagac ttcaatcaat tatttttaaa 360
tctaaca 367

<210> 24521
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24521

tgaggagaca ctaaataaat tcatgcagat atccatgtcc aactataaga gcatagagtc 60
attcatcaag aacctagaga tacaagtggg acaattagtc aaacaaatgg ctgaaagacc 120
cattagcagc ttgggagcaa ctatagagaa gaacgcgaag gaggaatgca aggtagtgtt 180
aactagaagc cagaggagag cgcaagaaga agaagagaaa gctgaaagag accagtctga 240
ggaaggaaaag gcagacaaag aagaagagaa ggaggaagaa gagaagaaga gggaagaaga 300
agaagtagag aaaatggtct taacctctaa gaccaaagc caacaagccc aagaggctat 360
gaaaaaagag tcaccaaccc ctctaaagga gccctatac cctntagtgc catcaaag 418

<210> 24522
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 24522

atcttgcaat attttttgtg agagttataa acttattgaa tgctagcgta aacttggcgg 60
 attattacaa ttaaacataa tcctaattggt gaagctaaat tactatacaa ttttttgcac 120
 ttattttctct ataaacattc aatggctata ttatatccca actagactcg taaaaatttt 180
 aatttccaca tctattgatt ttaacatga tctaacgatt attattagct gtgtctttca 240
 aactccgtga gattaaaatc aaattacact tatgattaaa aagacattga gtttctaata 300
 attcatattt cttaactaac gattatggat gtctcttaag ctgccggatc atatattgac 360

<210> 24523
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24523

nttagaggct atggaatgaa acttcaatct ttatatatac actttgntnt attactcttt 60
 tcaaaaccaa acaaaaaact aaaacaaaaa caaatcaaaa aggggttttg tatagatgga 120
 tttcttatct agttcgaaca gatggcatct aagatcatgg ttatatatta ttagtgctga 180
 tcaagcattc catgaaatat tcataatatt aatgtttttg gtatacggct gatcctacaa 240
 gtaacaaaat catttccaga atatttaata cagtcttatt gtcaagattc aaactcaaga 300
 tcacttgta aatcaaaaac aatttcatag gagttgatat atccatttga tagtcataaa 360
 atactcatat ataaagaaaa agtatataga tatatggta agacatttat ttccttatat 420
 agctagattc 430

<210> 24524
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 24524

tgcttgatc tttgatgaag aagcagctat gaagtatttt tcactatgtg aggctatctg 60

cataaatcac aagacaccat tgttatctat cttccactaa acccttttgct agtccattta 120
gataacatgt attcattgta aatgaatcca ggctttcatg tctactctag tcatgaggat 180
catgatgtgg gtcatgaaac acatataact ctgaaattgt ttgagataac taaatcatat 240
tactcctatc actatgggga tcatacttat taagatcatc gagagatgtg ctcattacag 300
atgtactata ttgccggata gtgagaccca tatatca 337

<210> 24525
<211> 417
<212> DNA
<213> Glycine max

<400> 24525

aggtagggaa aacgattggt caccattagt tgggtcttggg tttcgctgaa ttcaaaatta 60
attgcyggcca ctacatacac attaaattat tctcttttta tttaccaaga agatatagaa 120
ggttcattat taggttgtaa tttgcttaat aatactatag cagagaagat atagaagggt 180
caacgcattt aatcttcgaa atttgtttga tacttgcttc tttgtagttc cccccacatg 240
caaaaccata tataacggat ggattagcac ttatttagca ataaaatata tacacttaca 300
ctggattatg tttatgaagc atggacaatt gtggttccat ctatgcaaga caagatgcat 360
tacaggatca ttgactaaat aaagtcaact acaccatccg caagtttcaa gattctt 417

<210> 24526
<211> 364
<212> DNA
<213> Glycine max

<400> 24526

tgtttgccgt aggtccgccc ccgttaactc tggatgcttt cgaataaata actacataga 60
tggaaattga attctgacca ggctcctagt aaataaaagg ttaaaatact tcttcgggtcc 120
taacaattga gtattatgta cattatcggt tatgtaattt tttttggttt tttttcatcc 180
ttagataggt ttagataaca ctttaaataag aaaaaatata atgtaaaaga tgataaatac 240
gaaaaaaaat attttgcaag aactaaataa aacaagagaa gttatagaaa tgaaaataaa 300
aaaaacgtta aattacagat aaattttttt ggaaggacta aaataagcca aaatactggt 360
tcag 364

<210> 24527
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 24527

tatataagga ataacaaatt gtgtgttcaa cagcctgaga aagattgcat atcaataggt 60
 gtaaacaacc actttttaact agtgaacatt ttgccatcaa atttatgaat cagatcacac 120
 agcacgaagg aaaaaacaaa cacaccaca tgtatgtgtg cacgaacaga taagaaagca 180
 tattataata tacacaagaa ccaatgaagc acaccaagg caaccaagaa tatccaagtt 240
 ctgataggag aagccataaa atagccacga aatattattt ggaattgaag agacctagtt 300
 atcagaaccg cctatagatt ttagtaaata gataagcaag tatgtaacac aaactttcca 360
 ataggcttga aaactcactg ctatcacatg tgtcacagat ggacggtaca gggt 414

<210> 24528
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24528

attttcctct accacctcat taagaatcaa agtgccatga agaatatgtc tgtctttaat 60
 gaaagctgtt tgtctttcat caattaaggc aggtataacc tgtctcaacc tgcttgctag 120
 aagcttagct atcactttgt acatgcagcc tatcaaggat attggtctat aatcatttag 180
 ggactgagga tggttaactt tggggataag agccaagaaa gaggcattgc tgcctctagg 240
 gaaacaaccg ttgacatgga actcatccac aaatcttctg aactctggtt ttagcacact 300
 ccagaattcc ttaataaaat tgaaattaa accgtccggc ccagggcact tatctccacc 360
 acaact 366

<210> 24529
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 24529

atgtgaaagg atgtgactct tcacatttta gtttgtattg caacgtacaa agggactagt 60

tattgatttc caaagcatag tcatcgatta caactatctg aaatctattg gaacgttgtc 120
aatccgtttg aaaacttttc caaatccatt gtgctactgg cgatcgactc cactatctgc 180
tgattgactc ccacatagtg aaacctatat ggacaacatc gctttgagac aaagccatct 240
ggcacagacc cactggcaaa gacctactca ttgagatata gactcacact tactcttgac 300
tcttgactca ctaggattga ctcaagcact cttaatgaga caaactcg 348

<210> 24530
<211> 309
<212> DNA
<213> Glycine max

<400> 24530

gttttggcgc ggaacatacc gcataaccgg tgccctcttc attagctccc agggatgggc 60
tctgttcaca ttctcctaatt gtgacgcgtg ctccctaac actgctgtgt gcacctagct 120
tcaccctttt aacaagcctt cacttaacct tcttagaaac cagattatgc ctgtcttcac 180
gattcctcca cttgtagcct gaatatttct tatatgctta tctatcattt tgagccacat 240
tgatatatgg cttcatattg acgctataga tagttacacg ctttacatac tatgcctgaa 300
ctcttattc 309

<210> 24531
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24531

tgtgaaggty ccttattgtg tgctgtcttn ttttttgta gaatactttg ggcttacaag 60
cttctgacgg tgccctattg tgtgctactc ttattttagg caaattccct tacgaatccc 120
tcaaattctag gacttatcat aatttgaaac cttatgctc tcttaaaacc ctaaaataac 180
gtcaaggata tcaaaattac gctcaagggt ttattcaaac aaatcattat taccttttagc 240
tcaacctggg tgcaaaggat caatacatta tatgttggtt tttttaatcg aatgacttaa 300
atgaaaagaa aca 313

<210> 24532
<211> 346

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24532

agcttttcacg tttgagatga cgcagtgctt atgggtgctt cttactactt ttcttcgtag 60
accacaaagt ggatcctgaa catatgccta gggggtcaaa ggaccttgta cgacgtcggt 120
gctgcgctat tgtccataac ccatcttgac caatgctgac ccatccgggg catagtcac 180
cttagagaac ctgagatgta cctttacatg cgagctcctg gctgtcaaca gatttaagga 240
acanagacca caatttcgcg agagctgtgg tggctggaca actgataaat atggtgatat 300
atgggaagtg gcttacggat atctattacc ggaggggctt aattga 346

<210> 24533
<211> 322
<212> DNA
<213> Glycine max

<400> 24533

tgagatgagg aagtgtagaa gggtgattct ttctgttttt attcgttgac cacaaagtgg 60
tacctggaga tatgtcggcg gggtcaggag accttgggga cgtcagggtg ggtgctattg 120
cccaaaacca agcttgacca atcccgaccc aaccggggca tagtcagtta atgagaacct 180
gtgatgtacc taaacaggct agctcctggc agtcagacag ataaaatgaa caaagactac 240
aaagcaagga cgctagtgtg ggggctggcc atctgtgaat cttgtgtgat atatggatta 300
tggcctcttg taattgatta cc 322

<210> 24534
<211> 371
<212> DNA
<213> Glycine max

<400> 24534

agcttattgc taatattaac tagtaagaga tagaaatcat agaattaagt tccgaatatg 60
acgtgaatgg ctgatgcttg atttggctta agcaggaatt ccaaaacata tatgcgattg 120
gaccaaattt ttaaagtatt tacctataat ttctacatat attgattggt actataagta 180
gttcaagatt acctggtaat ttctcttagt atgaagtatg gatcaaacc gtttaactat 240

gctgatgata gtttagtttt tttattacct gcttggataa gttcttagtt ctccgtacgt 300
 tatggccaat ttgcgtcaga ttcattcata atgggatggg tacattgctg tctaagctgg 360
 tccctgatgg t 371

<210> 24535
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24535

ttctttatcg ttggaactcc agtatctttc atttgatctt tggatngatt ggttaaagt 60
 gttgtctctt atttaaccct tcttttatta tattgttatg ttagcatatt tgtgcaacat 120
 catcgttaac ctatcacaac aataattttt attaaaaaat tgacaatata ttaatagtga 180
 actaaaatta ttaaaatttt aaaatgtgag agatcaaagtg taaatgtgta gtataatatt 240
 tgaataatca aaattacaca atcataaaat tacaaagagt tttttaaacc tattatgtat 300
 tcaaaattaa agaataatat taaaaaatgt tataatttac tatactctat tatgcacttc 360
 ttctatttta aaataaaata taaacgtaaa aaaaacaaca taatttgata cataacgtaa 420
 taa 423

<210> 24536
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 24536

agttttatgt tgctcaattg ctccaggttg ctgcatggaa gggcaaaggt ctgtatgggtg 60
 gtcagcagag gagcacaaac caaaaaccct tgcgacaggt acagatttct gattcaaggc 120
 cagctggggt accaagataa ccaatgcac cagtttgcct tcaagcttct tagtttcaga 180
 tgatgcagat gggttttag ctacctcatg cactcctcta atgactatgg catcatttct 240
 ggcgctaaac tgctgggagt tagaggccat cttctcaatt aaatttctgg cttcagcagg 300
 agtcatgtct ccaagggctc caccactggc agcatctatc atacttctct ccatattact 360
 gagtccttca taa 373

<210> 24537
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24537

agctttgctt ctacagggaa gacttatctt tggacttcat agggggattg tcgaccctta 60
 agggcaatac agtgggtgctg gtcgtagtgg acaggttctc taaaggaatc cattaggggtt 120
 cgctcccttc acatcacaca acattcaatg gtgctcatct ttttatggag atcgtgggaa 180
 aacttcatgg gatccccac agtttagtct ccggtcgaga ccattattc atcagccgct 240
 tgtggcaaga gttgttccga ttgagtggct cgaaacttca tatgagttca gcctatcacc 300
 cgcaatccga cgggcagatt gaggtgatga acacggtggt tgagcaatat cttcgagcat 360
 ttgtgcactc 370

<210> 24538
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 24538

tcagccatat gtttagaatg acttttttta ccacactaca tcagtttctc aagctcacta 60
 gaaaaaagga aagtaaaagt aaaagctcac tagctgaatt actattcctc agttagggtc 120
 ttaatgaatt gaacactagc aaatgttggt actgtgtcaa caaattcatt gaaaagcata 180
 gggagccaaa tgaaaccttg ttctcccatc cacttccaaa cttcaaaagg gatatcatct 240
 agaccaacaa ctttacccta aaataacgaa aacaaatatt ccctgacta taaaattag 300
 aatcaaatag actattcttt ttagtgctgt aaatctgaat gaatctccta aaattaaggt 360
 ctgaaactct aaatgaatct cctaaaatta agcctcaatc actgacatat agtatcataa 420
 acaagaatgg aaaaaa 436

<210> 24539
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24539

agtttatgtg tatggaacac ttacttggtg gtgatgaaca aaagcgcaaa acggaatcaa 60

aaaatgcgga aaaggatgac cctagggctg caaactcgtc aatcccgtgg gtatggcttt 120
 tgaaaggggg gaaaagaagt ttttgaatgc aaaaacgccc ccctttcgtc attcttataa 180
 tttggagcag ggggggctcg ccagggcgag ctaacttgca catttttttt tttttgaggg 240
 gaacattaac catgtccctt ccctttctcat ggattagcat cttgcctaac ttgaacttac 300
 ttatgttaga attaggggat gaatacttat tttttttact ttttaaaaca aacaaaaagt 360
 aaaagaaagc tg 372

<210> 24540
 <211> 427
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24540

ntcatctagc caagattata caaagggtgtt acaagataac ctaacgggttt ctaattatct 60
 gggccatcaa atctatcatg tggtgacagt aattgattag cccatgaatc tcctcggggg 120
 ccgtacacac ttcggccatg gcttttgctt tgactaatag acgcgggagg tcttgacttc 180
 cattcaaggt caaggcgaat ctatccatcc acatagtcgc ttcttgatgc aatgcatcaa 240
 tcacctccc tcttgcttct ttttcggcgt acacttgatgc aaaatcctct gctagctttt 300
 gttcatgggt cacagactgg ttcaattctt ccttttactg ccctatgata gctagcatgc 360
 tttgttcggt ggcttccaag tggtggggcca aactccttat ggaccttgatg caagcagccg 420
 attcttc 427

<210> 24541
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 24541

atcttgtatt attatgggggt acccatcaca tgtggtacta ggtggtggac gggcgatgg 60
 gcacatcaag tttttcacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
 ctccaactga gctcacgtac tcccacgtag cccatatacct cgtttctctc agacaccggg 180
 tcccatcaa tcctccaag cttccacagc atgcaagcaa aacaacattc aaacatcaca 240

agctatcata gccaaagcaaa acagagcaaa tgcagaaaac tctgctcaac acatcaacca 300
 aaatcacagc ttttctcact tatagaccac agtaacaatt ctttcgatcc aattggataa 360
 ccgttggatc gactc 375

<210> 24542
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 24542

ctaagcttga aagcattgat ttgatactgc ttccctcattc atgtggctta tgatgtttac 60
 aatttaatga tccttttgcta ccctacaatg agacacacac agatacaca acacacacac 120
 atagagacaa acacacgcag acacaaacac aaacacagac acacacataa agatacacac 180
 acgcacacac acacacagag tcacgcacac ataaagacac agacaaagac acaaacacac 240
 tgagccacag acacacgcag agaccacac acaaagacac acacactgag tcataaacac 300
 acacatacac aaacacactc acacacatgg acagacacac acacacataa agagacaaac 360
 acacacagat aaagagacaa ccacaaacac acacaccac acacacacag ataaagagac 420
 aaacacacac acacacacac acatacac 448

<210> 24543
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24543

agtettacct ttggcctctc ttaatggatc tagacgtgac caacataatg gtctctataa 60
 gactaaataa gggacaaatc aaccagtcct cctccaaatg gaggtacaac aatcctaaca 120
 atagetaacc ctggctgtgg ctttgccctt gcctccgcct actgatgttg ttgacgcttt 180
 tcatcatatt gctagtgtc caatgtagac actctatgat gtctctctgc aacatcctcc 240
 cctttgtaca aagggccttg atggaaactg tcacgtctaa caacgtacaa tgtctgcttc 300
 gtgcaagcca tctaaatctt ttttataaaa ttaactcaat aatcataata aaaaagtata 360
 tttatc 366

<210> 24544

<211> 364
 <212> DNA
 <213> Glycine max

<400> 24544

gaaaacaaat tgagatgggt agatcagata gaggtgggga gtactatggt agatacacag 60
 aggatggaca agcaccaggt tcatttgcca aatttcttca agaacatggg attgttgccc 120
 aatacactat gcctgggttct ccagatcaga atgggtgtggc agaacgaaga aatcgaacct 180
 tattagacat ggtgagaagc atgaagagta atgtaaagct tcctcaattt ttgtggattg 240
 atgctcttaa gacggctgca tatatattaa accgagttct aaccgaggct gtctcaaaga 300
 caccttttga gttattcaag gattgaaaac caagtttgcg acatatacgc gtttggagat 360
 gctc 364

<210> 24545
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24545

tttcaagttt gatgttttaa gcgagaagta cgtgtttgtg ggttacgact caagatccaa 60
 gggatacaaa ctctataatc caaatagtag aaagatcatc ataagtcgcg acgtagagtt 120
 cgatgaagaa gattgatggg attggagtgt tcaagaagat aagtatgatt atcttcctta 180
 ttttgaagaa gatgatgaaa ttgaacaacc aatcatagag gaacatatta caccacctgc 240
 ctcaccgaca ccaaggctgg atgaaacatg ttcaagttag aggacaccgc gactaaggag 300
 cattgaagag atttatgagg taaccacaaa cctaaacgac attaacctct cttgtctttg 360
 tgggtgattgt gagg 374

<210> 24546
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24546

cgcttaggag aaaccataaa atagtcaaca accttagtt gatttttaggt ggtacagaga 60
 tactttccta actagggttt acacaagaga agatagtcaa caaccttttt ggaaagaaaa 120

atttctagcc ggtcttccca gatcattagg agataagggtt agagataaaa tccgtagtca 180
 atctgccaat ggagatattc catatgaaag ttttaagttat ggccaattaa tttctttacgt 240
 tcaaaaggta gccttaaaaaa tttgtcagga tgacaaaatt cagaggcaat tagccaaaga 300
 aaagggtcaa acaaagaaag attaggttctt ttctgcgaac aatttgggtct accggcctgt 360
 ccaaagcaaa agataaaaca atcttcaaga aaagaaatcc atgagaataa accgggtcaat 420
 acaaagagat 430

<210> 24547
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24547

agtttatgcg catacttctt ttacgaacgt tcacttgcac aagacattct tataactacg 60
 aaaaatgcac ccatgtacaa tcaaggcacc ttcgttacct agattattta tatgtgcttc 120
 caaagagtat ttgttaccta catctcatgc acttccttgg ctaaatttac atacatgcgt 180
 actcagagca tttgggggtac caaaaattgc acatgtgcac attccatgat tgctaatact 240
 tatgcatata caaactttgt gaggaatatt ggctatctac acaacaagggt gatacatttc 300
 atgctttact caagatattg ctacctaaag ccgcatgcaa attcaagtat attttctttt 360
 gctgac 366

<210> 24548
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 24548

tgcaagtgta atcgaattac ttgacttatt tacgcttcac aaagaatagg ttgccctaga 60
 atcaaaagggt aagggtcaaaa gagtattctt tatgaaatat atcttgatat gagtcacga 120
 actatagcgt attagcatca ctaagaacaa gaaatgacaa acaaccatac tatctatgca 180
 attaaggcaa aacaccatac tacaagtgat gtagctccat gtggagcttg caggtcttga 240
 atctttcttca tcaatggagt cctttacttc ttgaagacca tggcagtgaa atggaaaagg 300
 aagaaagatg attggagatg ccacatcaag gagaagatga gtcaagaaga agctcaccac 360

catagtaagc catggataag agcttgaatg taggagaaga atagtggagg gagagggaga 420
g 421

<210> 24549
<211> 364
<212> DNA
<213> Glycine max

<400> 24549

ggttttttatt tctcaatcaa tctgtctact gactagcgct tctaagtgca agttcacatt 60
cttgatgttt atttgactaa catacacact tggacaaact catgataagt aacgcaaatt 120
ccatcacaat catgcattaa atccaaacgc aaaccataca ccatttttca catatagata 180
aaagtggctct acttccatat gatctaaatc aagccaaact gttccatatg ctggaaaatg 240
agccatccaa ctacccatat ataggaatag cagtgtatat aaacataaaa gacatactgt 300
actgaaacca taattataat aataataatc ccaacagaga acaaacagca tcatcatgaa 360
ttta 364

<210> 24550
<211> 329
<212> DNA
<213> Glycine max

<400> 24550

tagggactaa agttcgcagg tggtgagcgt ttggttctat gtctgctgat gttcgatcaa 60
gtggcctcat aataattaag aaggggggga tgaatcaatg attcctatac cttgactaat 120
caaaaattac tcttctaagg ctcttactat attgcacaca gaatgacgag tctaacataa 180
actgaccaga atattctatc cgtacttata tgcactactg aaagtaatac agtaaggaag 240
aacgatactg acacataata gggttttatac tggttcagca actacccttg cctacatcta 300
tgccaacgc gacctgcggt ccttgagat 329

<210> 24551
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24551

agtttgnagt atnaagggga acccatcgca tgtggttagta gggggcaggc agccgatggt 60
gcacaacatg tactacacat ggacaatgcg cgcataaagc caacattccc tgttgaccac 120
atccaactga gctcacgtag ttccaggtag accatatgct gattcctatt aacaccgagt 180
gctcatcaat cctcgcgagc ttacacaact tgcaagccta tccacattct atcagcgcaa 240
gct 243

<210> 24552
<211> 423
<212> DNA
<213> Glycine max

<400> 24552

tcaggctggt caattgctcc agattgctgt ttagattggt ttaggtctgt gtggtggtcg 60
gtggaggatc atataccaca gagtctggcg acagggtgcag atttttgatt catggccagc 120
tgtgttacca ggctaacaca tgcactagt ttacottcaa gcttcttact ctcggtgat 180
gaagatgaat tcatggctac ttcatgcact cttctaata ga caatatcttc actcctggca 240
ctaaattgct gggagtgtga agccatcttc tgaattaaat ttgtggcttc atcaagggtc 300
atgtctccaa aggtccacc ataggcagca tctatcatatc ttctctccat gttactgagt 360
ccttcacaaa aatattgtag gagaaactgc tcataaatgt ggtggtgatg gcaaatagca 420
cat 423

<210> 24553
<211> 333
<212> DNA
<213> Glycine max

<400> 24553

tgtctggacc acaagtgata gtatttacct gtctgtctct taaagcctca acaaaacaag 60
gtgtgtatct gacttcagta tcacctatcc ccagttggcc attttcacct ctgccccatg 120
agtagacact cccccagaa gtcaaaacag caacatggta tgaaccgttt gatatcacct 180
taacaaactc ttgtttgaga tgttcttcag acatgactgc tttatccgtg tcatgtggat 240
ttactagtgtg tgcataattg gcacttgcca ttgcaaaaac cttgccgatg ttagagagag 300
ctacagtcga cattcttaca catgacactt gaa 333

<210> 24554
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 24554

tgtatagtat attatgacta ttattatttc gacaatatta tcaccactaa acaaagagga 60
 tatatgattt aacacctgaa attaattaaa taagttccct ttcgattgaa tactgggaaa 120
 acatgactta taattgtttt ttttatatat aaatatgcgt gtaagagtgc taaaatgtaa 180
 aagagagaga gcgcgataga gagagagaca catattttct aattatttta tgatttttct 240
 gcttttagta tgaatgatag gaatttataa ttcgaaagac tatgtttatac taatagatga 300
 aattttgatc gattcacgat tacgatgtga tgaggcatgc atttatgggt tagtttcatt 360
 tcggtttgta ccagtatggg tgtagtattt gttcttgta ataaaataag ctcttttagc 420
 cttgt 425

<210> 24555
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24555

tcggcttgca agtttggaag accactgtat gaggagtgtt gtagcagagg acaacagccc 60
 accccttatt gtatccccac aacccttat cgcagcccca cagtatgaat tattgcctga 120
 ataacaacga aacttataca ataaaaacac ttgataaccg atatcctcat catggaaatc 180
 actaaatttg aaagacgacc ggatgacacg ctgaagttca aacagataca tcagggttaa 240
 aaagaatctt actaatgacc ggttacctaa taggcgatgt cttgcatgtt atttcacttg 300
 cggctctgga gagtttatta ttgtgggtgg gaaaactact aggactatga tcgacttctt 360
 tcattcat 368

<210> 24556
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24556

tgagaaatct caggagacca ctagatatgt ctttgttgct gctggaatac agacatgagc 60
 ccgcttagag gtaaaggatg agcttatcgc aattgggggtt ggaatgaaca tgtgtagggg 120
 tccttatagg attaaattga gattcattttt ggaatgttta ttaaattaaa attctccttt 180
 aggattataa atataatatt gttgtgtttg atggaccaat tgatgttttg atgtgaattg 240
 gttgataaac ttgagtgtc ttgatgtgtt tgtgttttta acctatgatt ctgattcatc 300
 gattctatat gattgtgtgg aattgtgttg aggggtttta ctcccatgt tgtgggaagc 360
 attttgtata aatt 374

<210> 24557
 <211> 140
 <212> DNA
 <213> Glycine max

<400> 24557
 atgttttggc ctagcgttct ggttgaggct taatgtgttc atggaggatg tacagatgaa 60
 cttgcatctc ctctgtgtgc agcggatctg tttatacgtc tcacatcaat gaattctaca 120
 tctgtcgcgc atctgtaggc 140

<210> 24558
 <211> 595
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24558

gcagcgtac acacactaca ctacatccgt cttctgactg acactgaaga agtgntgcgc 60
 ngtagtnta acttaaccn cgnncnctc cccccccac ccccgccgcg ccnattgaaa 120
 cgttttgact ncngtgacac tacacaanac nccagcgagg cacatagcag ggacacagac 180
 tgagggccca actttcctac atctatgtga ctaataacga ataggttaac acgataaatg 240
 gaccttaata aattttgaag atgaacgccc gattgcaaata tataactta tacacagnta 300
 atgacttctt cttttttcta aggcagaggg tggatgattaa ttcagctaca tggagatagg 360
 attagaaacc gagagccaaa taatttgtcc aaacacgatt gaaaatgaaa aacaaagaaa 420
 aacactgatt cctcattcaa attactatga tcaacacata gtacaaaatt tattacaatg 480

aatcctctac ttgtgagtat gcttggtcca ttggaaagag atcaattcgc atgcaaccgt 540
catagtacta cacttcttct atttcagaaa ttaacacgaa tctcactg catat 595

<210> 24559
<211> 375
<212> DNA
<213> Glycine max

<400> 24559

agtttttagat ataaagccta ggaaatagca aatctacgtt ggagtattca taaacaatta 60
cagaaaacac ccactatgac agcaaaggca atgaagttaa gaaatgcac aattattttag 120
cacttacaga aaattatgat atctttgaaa tcatataatc ttcagctctg agattgctca 180
tcatcaaaat ctctcccggt agctgaaggg aatataatag tcttaacttc actccctatg 240
gtggctatgg ttttctcttt aacctacaaa tttcacagca ttgcatgagt gatagtttca 300
gacacaaaat gtacaaaaat taaaaataga atataggaac caatgtcaac aattgaatgt 360
ttgaaccagc aagaa 375

<210> 24560
<211> 435
<212> DNA
<213> Glycine max

<400> 24560

gccacagggg gaaagatgtc caaaaaatga aatatttaat tatataaaat caactccctc 60
ttgttggtgtg taacccttgg ccacaagcct agctttgtaa ctttggatgg cgccattaac 120
acaatgtttg atgtgataaa cccacctata accaattgaa acttagcttg gggaaaatca 180
gttagatacg aagtatgatt tgcttcaaga gtatgtaatt catccttcat agcttttctt 240
aatacagttt catacttaac agcttatgca tatgttttgg gttcagaaat ttttgaaatg 300
gctaaggtat atatttgaga tgactaggag acaaagatg ataggacaga acagtggata 360
aagaatataa agcagtacct gaagtagaag aaaggaacct gctgagttga gaagattgca 420
tgtagtgaat aatga 435

<210> 24561
<211> 369
<212> DNA

<213> Glycine max

<400> 24561

agttttttcc ttctcgacac gtatactctg aaccacaaga gcaagagctc atgtttgatc 60
atcacatggg tatagaatat aaaaaagtat tcacaaattt tattatatta tagtagattt 120
caaatttaaa tttatctttt tttttctttc tctcttaatt gtatattttg ttatataatt 180
tatcgataa gtataatttc tctcatgcaa aacaaaattt tcttacgtac actaagtttg 240
cggagttata taatatgatt tatttaccat taaattcaat ataaattggt tatcatatat 300
acgtcagaaa tattttattta ttatgaatgt taatactact ataatttata tatattaaaa 360
ttattctta 369

<210> 24562

<211> 418

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24562

nttcctctgg ttgttctact ggggtttcca agagttatag ttatatgaga agaaattgaa 60
gccttcattt tgtattgtct ttgtgcgatt cacttttctc tctccatgaa taatactttg 120
caaatcccaa tggtaaagggt gtgcgcaact gaatcttgaa ccaagtatct caatttcacg 180
atgatcgaac ggtaaatgag tccgggatca tagatttact aggtagggtc tgagtctctg 240
tggaaaaaga gaaatctaca atgcgaacga catttctcta agctccaaca ttctttcgca 300
atttccaacg gagaaaatgc tcagaaatta gtttccgacc aggtgctgag atatcacgac 360
gatccaacga tcaaagaatc tgagatcatc atttctacta aaatagattt gagcgtat 418

<210> 24563

<211> 354

<212> DNA

<213> Glycine max

<400> 24563

gctttgtatt ttagcctaga ggcagcgagg cacttgtcca ttaagaatga ataaaagtaa 60
tgttcctttt gctttaatcc attctgaggt atgggggggca tccccaaaat attctatctc 120
tggctatcgc aggttagcga tatttggtga tgagtgcact cgaatgactt ggattaactt 180

gttgaaacaa aaaaaatgac ccggtacaca tatttcaaca attccataca atgattcaga 240
 ctcaatatcc aaagaagatt acgatccttc actctgataa tgggtggggag tttgctaatac 300
 accaattcca tgagtatttc gaaaaacacc gacttattca cgaatccacg tgtc 354

<210> 24564
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24564

cagggaggaa cctgcataga atcaaggcca gtggaattag agtgcgctac tgccagtctt 60
 acttgcacga caagttcacc ataaaacata accaaggatc caagataaca taaatcccaa 120
 cacttcacgc aatcagtgcc attactagca taatccggat ttctttacat tactattatt 180
 ataaatagca gtatgatctc cattgagaca cactatatat gtggaatatt ccctcaaaaa 240
 attaaattaa ccatgtgagt atattgtcac aacatgattg cagaggatgc aactaaaatc 300
 acaaggaaat attgtcagta acctccttaa gtactcgcat ggagttcaag ttcaaccaca 360
 taagatacaa attcgtacat ttcatataac ataaattcgt cgcagggtttc tatctataca 420
 aacatgacca 430

<210> 24565
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 24565

ctctataactg cagctggcag ctttcagttt gcttgctgag cttctataga ggatggatca 60
 ttgagcttca aagatgtcat tcaacggcga ttttacacca tggagatgta gcggaaggaa 120
 aaggataaga ggtagtgga tacaccatcc actagggat atgccaatga tgaaggagtc 180
 ttcaactctcc atatatgttg cctttgataa agaatctcga agaggatgct ttgatggaag 240
 aaaagataga tagactgggt gagcatgata ttgaatgaat tatagactga gagaagtgca 300
 actttgaatt gtggctcata tttatagact aagggtgcttc ct 342

<210> 24566
 <211> 433

<212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24566

tgtccaatcc tctaatagga tcatctccat tttatattat cactttcatc accatctcca 60
 tcatcatcaa tgccttcctc agattgtgca tcatcatcag gttccacgaa aattaaatta 120
 tctagatcaa gagcttaaaa tagatatcaa agatgttata tcagaaatag ttaaaactta 180
 aaataataca caagcacatt ttaaatttga gaaagttcat aaattatacc ttctcttggt 240
 gttattaaaa ttgcatttta tcttctcttt tgcattttcc atctcatata tgaaaagtat 300
 tcagtaacaa gattgatcca actccaacat tgtanggtca gttgttgtgt tctgtaatag 360
 actaatataa agtatgaact atgaactatg agtgtatcgt cattagtctg caaatagggtg 420
 cactttaaat ata 433

<210> 24567
 <211> 352
 <212> DNA
 <213> Glycine max
 <400> 24567

atctttgaac gtgcgtagcc caccatcttt tcatagtaga ataccggtaa tgtgtctacc 60
 atcacgatta tcatctccct ttccatcatt gggggtagca cttgggctgc cagatccctc 120
 cacctttggg cgtattcttt gaaagattca tgcccctttt tgcacatggt atgtagttgc 180
 atcctatccg gagccatata agaattgtac tgacacttcc taacgaaggc aaccattaag 240
 tccttccaag aatggactcg ggaaggctcc aagttagtat accaggtgac agctgccccca 300
 gtgagacttt cttggaaaaa atgtatcagc aggttcccat ctattgcgta tg 352

<210> 24568
 <211> 151
 <212> DNA
 <213> Glycine max
 <400> 24568

tgcatggaat tccttccagt attgtatcag acaggtatcc gaggttcact tcgcgatttt 60
 ggacaagtct acatgaagcc ttgggggacaa agttgaagct tagttcagct tatcatcctc 120

aaacagatgg tcagactgaa cgaaccattc a

151

<210> 24569
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24569

agtttngca tcacaatact cctgattgac gatgtctcca tatgttctta aaactggact 60
gattcatttg cttacacagt tacatgggct tgcaggcgaa gacccggaca aacatttgag 120
ggaatttcac attgtctgct ccaccatgaa acccccagat gtcgaagagg atcacatata 180
tctgaaggct atgactcact cattagacgg agtggcgga gactggctgt attaccttgc 240
tccaagggtcc atcacgagct gggatgaccg taagagagta ttgttataaa aaattttccc 300
tgcttccagg accacatcca tcaagaagga tatcttacgt attagact 348

<210> 24570
<211> 425
<212> DNA
<213> Glycine max

<400> 24570

ctgcagattt ggtcttcgcc agtgaaaggt tcaatttggg tccgaaaaga ggcaaatttg 60
atcctectac taggacgact gagaaaactg gggcaaatga agaggggtgag aaagagggag 120
aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgt 180
cattactcag ccaataacaa acctccttac ccaccgcca gttatccaca aaggccatcc 240
ctaaatcaac cacaaagcct gtctaccgca ctccaatga cgaagaccac ctttagcaca 300
aaccacaaaa caccaacca gaaatgatat ttgcagcgaa tagcctgtat gattcacccc 360
aaattccggt gtcatatgct aacttgctcc cacatctact tgataatgca atgggtatcca 420
taacc 425

<210> 24571
<211> 364
<212> DNA
<213> Glycine max

<400> 24571

tgtttcatgt tgctcattga ctccatattg ctgcaaagaa ggatgaaatg tgtatggtga 60
 tctacagaat aacactgacc acagactctt gcatcaggtg cagatgcata tttctgattc 120
 atgtgaagct gatttactag gatgaccatg gcatcaagtg tttcctcatg cttgtttatt 180
 ttcaacacat gaagactaat ctgcggccag cttatggact cctgtaaaga caataacatc 240
 atttcttgaa ctgaattggtt gggagttgga agccatcttc tcaatcaaat tcctagcttt 300
 agcaggggtc atatcaccaa cagctccacc actggcagca tcaatcatac tcctatccat 360
 gttg 364

<210> 24572
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 24572
 tgctacacaa ataacctgtg attgtgtcat tctcctgtgt ttgtgtgtac gaactaagaa 60
 gtaggaacca ttagcctacg tgacatctgg taaataacta gattgagata gtttgggtgtg 120
 gccatgacta tagttctaata agcaaccatg atattaaaag tccctttatg tcaacctaaa 180
 ttcagtttag ttaaaaaaaaaa ttcagttccc ttctccctaa tttttatctc atgtttccca 240
 cttttttctc caatctctct tcattatctg attttatttc aatgattcaa ctctctccat 300
 aacctgtcct gacatgttgg aattttcttt aacctagtta gattgaagac aacgaatatc 360
 aataatgagg cataatatct ttcctaaata tagttcattc tatacttcaa attaaaa 417

<210> 24573
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24573
 agtttgtgca tagttgtcat agacaaaggg atctaaagaa ttaataatca aatagtattg 60
 atgaaaaaaaa tgtgcataaa tcaagtacaa acccttcaaa acaaagtaaa atcaaatagt 120
 aattgtagct gaccatagaa ggagatgaat gaaacggata ggaaactaat gttcgaagct 180
 aaatgtatga acaaaatcta aaacccttga aatataacgt gagagagaga gctgaatcga 240
 atgaatcgtg acttttgaaa atcaagtcaa agtgaaaata aatagaagag ggtgattatt 300

ttgaactaag aaatcgagat ccattgtaaa accacatatt gagtcgactt gtggaatctg 360
aatgc 365

<210> 24574
<211> 426
<212> DNA
<213> Glycine max
<400> 24574

caagctcctt caactgcaca aggetctatt atttttgagt atccttgtgg aaccttcacc 60
cgacgaagac actgacaaaa acttatcttc tccttcttgg acaaagtatg gcatgctgag 120
ggcaagtaaa ttatcttacc atcacacctt ggatgcaact gcaatcttat acccatatca 180
gctagatctt gactggtatt gaatccatcc taagctttgt cttgaatggt aaggaacatt 240
ctaatacacac tgtcacaaac atttttctac acatgcataa catcaatact ctgtttaatg 300
tctatatcac accagtactg aagatcaaag aaaatggacc tcttcttcca tatgcatctc 360
tgacatttat gcttctttta gagcttccca aatacagtgt tcacagcgtg aacccgcatg 420
atatac 426

<210> 24575
<211> 363
<212> DNA
<213> Glycine max
<400> 24575

atcttcctta agaagattcc ttaagaagct agagcttagc tacacatacc tctctaatag 60
ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
aagctcacc ccatgacaaa aaacatgaaa ataacagaaa aaagtcctta ttacaaagac 180
aactcaaaat gccccgaaat acaaggctaa aacctatac tactagaatg gccaaaatac 240
aaggcctaga cgaaggaata gcctatttta atatttacia agataagcgg gctcatactt 300
agcccatggg ctcgaaatct accctaaggc tcatgagaac cctagggcct ttccttggat 360
ctc 363

<210> 24576
<211> 431

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24576

ntcaacaagt ttcttcacaa ataatcatca tatagttgaa acctagcaag actacccatc 60
atattctcca aaaccccata cccacgaaaa tcaaaggaga aagaagtcca cccaaacctg 120
aaatttcgaa gtcccaacag tagagacgtg cttcacgact ccgaaaatgt cctcctttcg 180
cgatttggag cagaaatggg caccaaaggt tgaagctttg ttgggcaaca atggtggagg 240
aagaaaagaa gaagaaggct gcgtgagaga gagggagagc ttctgaaatt tcttttgggc 300
tgagtgagga gagagagaga ggtgctcttt ggttttaaaa agggttttct ctttctctat 360
tattntatct aagctatgcc acatgtctcc atttgagtgg agcaaaaagg gccactctc 420
tcttttgatt g 431

<210> 24577
<211> 227
<212> DNA
<213> Glycine max

<400> 24577

ctatgagcca cggaacgacg gcaaaatgtc ttaaattggca tcagcagcgg tgcccgggac 60
tagaggacta atgattacca caatctggat tcaccgttca ggcggtctta aatcaagatc 120
aggagtcaag actccggatt cattaatcga gatctgactc aagcgagaca cacatgcac 180
agctttgtca gatactgac aggacatgta ttgttcgcaa cacctgt 227

<210> 24578
<211> 375
<212> DNA
<213> Glycine max

<400> 24578

agcttgccct agttaagttt aggaaagtca ttcattaaat gacagtacat ttgtttcatg 60
ttttgctgtt ttacaaaaag agctaaaact actctgttgc acttcgtcta catatacctc 120
aacattacta tgcttaataa aatttggtga tcttagtaaa acataaagca ctttctcaaa 180
tattaagatc aaataacatt cagcgtatcc aagagatgca gccaaaataa ataatgagaa 240

cattaaaaaa ctgaattacc tcacttaaaa tgagaacccc tttcttggat gcttgacacg 300
 caacaaattc atagctgaca agattcattc catcccttac agatgtaaca agtgctacat 360
 ctaaattcga tgtga 375

<210> 24579
 <211> 426
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24579

tatgggcctt gttgactcgg gtgtgagttt aatcttgtag tatagtgaac cttttgtgaa 60
 gggttatgcc attgggttaat ttgggtcaatt tttcaaaatt gtaatatctt ataacttttc 120
 cccacttcag gccattgaat tatgtgatat atatccacgg ttgtagggat ttggagcatt 180
 catattcacc ttagaaaata aggggcatgt catgttaggc agaatccata aaggcgctgc 240
 attaaataat tgtctttttg aggtctgaag acggcgaaata gactcggata actgagataa 300
 taatatacta atcacataat tacaattttt tttaaaaatc aaacaaaaaa gggttaagggtt 360
 cgggtctgta agagtnttga taagtaaaaa taagtacatg gtaatccatc tatatgtcta 420
 ctatac 426

<210> 24580
 <211> 371
 <212> DNA
 <213> Glycine max
 <400> 24580

agcttcact tgtatatcgc atcagtaata aaaagatttt tgtttccctc cctgggatat 60
 agccatactc aagggtgaac cacgtaaatc tgtgtgttat tttcctcata tttctttctc 120
 tctttttcac cttgctgcaa aaatcctgcg tatgacacag ttttttggtg catctgttac 180
 tgcttttctt gcttgttctt cttcacttcc ataacagact ggtattaaga gctcacgttg 240
 cgatcaagga aattcaagat tcttgtctga atacaaagat caagctgcgg gagtcttgtt 300
 tctggttctt tcgttgcttc actgtgatca agaaaactta agaaatcatg tcaaacacaa 360
 tcaagattaa g 371

<210> 24581
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24581

tatggatntg ttctacatga ttatTTTTat ttTcatgaac actggtTcat tttcttgctt 60
 tctctgtcaa cgcttaaatt tttttgtgtt cctgagcctt ttctgacgtt gctttctctt 120
 ggTTTTcttg catTTTgggt tcagatatgt agcattgggt atctTTgtga tcgacagcaa 180
 caacgaagac aacaaatagt gtccgacatg aaaagaacag gtttTgtgatg gttgagtatt 240
 cttcttcttt tgcaagacaa aagccacata tcatagtatt cttcttctta tttgaccgtg 300
 gttgagtttt ttttttttag gttcgTTTTc cctccctgtc tccttctgtg ttttcatttt 360
 acctattttt acatttTgtat gtgtttnttt tatttcgggt ttttgTTTTt tcaTgcatg 420
 ttcatTgctt cttcta 436

<210> 24582
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24582

agtttcatac tacttTgtgt aattgattac aatgaggcta taatcgatta aaatagaaag 60
 tttttgcctt tgaagaaaat tctctaacta agaaactttt cttcacacaa accatgataa 120
 tgcTgatgt aatacaaata tcaaTgtac taagatgtaa caaccaagat aacaaccaat 180
 acaaTgccA ctcaatggag ttggggatgt aaaaaccaa acttcttcaa gcttttagccc 240
 ttaggtTgtt cagaagctag ctagttagtt aagtTgaaca tccttttagat tgctagctgg 300
 ttgaaatcaa gcttaacgag gtggatatag ataaataata ggaggaaaaa agtttttaaa 360
 tataaaattc t 371

<210> 24583
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 24583

tcatgatgaa tcaagattga ttcaaagaag ttttgtctat taaaagggtg atgacaaaaa 60
gcttcgtgat gatctcaaga atcaaagaat gagttcaaga tgttcaagat tgaatcaaga 120
acatttcaag gttcaagagg aaaattgatt tcaagaatca agattcaagg ttcaagcttc 180
caagaatcaa gatcaagatt caagactcaa gattcaagaa tcaagaaaag acttaatcaa 240
gataaatatg aaaaagtttt ttcaaaaact gagtagcaca tggatttttc tcaaacctg 300
tttaccaaaag agtttttact ctctggtaat cgattaccag attattgtaa tgcattacca 360
atagcaaaat ggatttgaaa aatttttcaa ctgaatttac aatgttccaa ttgatttcaa 420
aatgttgtaa tcga 434

<210> 24584
<211> 360
<212> DNA
<213> Glycine max

<400> 24584

gtcttcgttt cttacctaaag aaacaaatgt aactgagatt ttacaacatt aatagaaaac 60
tcctaacatg attcaattca cacattgtct cgaatagcat attcagaaca tgcaatcaag 120
gcaaaaaagg aaatcaacac caacagagaa caaatcagtg gaaactctgc atgcttcttc 180
atgcctacac tacataaacc gcacaaaaga aaaacctaga aaaaaaatta gaaaatccta 240
acagtcactc attcacgatt gtgggggtct atttagcata aggtaacaca caactgcact 300
ataaaaagaa gcacgagaat tagaattgag taatagctat attgtatacc ttgtgataaa 360

<210> 24585
<211> 435
<212> DNA
<213> Glycine max

<400> 24585

tatctctatg gaaaaagggg tgaactcggc attggttggt cttgttttgc aaatgaatgt 60
gggaagttga catatgccca aacttaagtt tgccacattt atgatataag tttgtttcat 120
gagcaaaaca attggatctc tatttgtgtg ggtcaaggcg tcaagccatg acggatgcga 180
atgtttacca acatctgtcc acaaagcatt aatagtaaga agaaccctac tggatttaaa 240
agagttttaa tgttttatta cacattttct gtcttttctt gttagtagaa tttttgtcat 300

tatgaatatt ggccactgta caccaagctc ttctttcttt tattttctcg atcatgatca 360
 aggttttttt ataaagaaaa attattttat tgtaagccat ctacgtatta caaattctcg 420
 catatagaat aagtg 435

<210> 24586
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24586

agcttggttt tgggcaatag caccacacct gacgtcccca aggtctcctg acccccgcg 60
 catatctcca ggtaccactc tgtggtcaac gaataaaagc aggaagtttc acccctctat 120
 acttctcat ctcaagcttg taggattatg gggtagccat cacatgtggt actaggtggc 180
 agtcgggcca tgggtgcacaa caagttttcc acatccacaa agcgcgcata aaccacccat 240
 cccctgttgc ccacctccaa ctgagctcac gtactccac gtagccata acctcgtttc 300
 tctcaacacc gggtagccat caatcctccc aagcttcccc aacatcaaag taaatcaaca 360
 ttcaaacagc acaa 374

<210> 24587
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 24587

gcttattaag aggtctcctc cagaagcttc attaagatgt ttttagcaca ctccagataa 60
 cttctaaaag atcccaacgg tgagatcatg aaaacgtgtc ttgtgaagtg gtagaccaa 120
 tttcgagaag atccagcggg taacgaaggc tgggcatcgt ttttaccgag gtagcttcat 180
 gtagctttct ctagaagctt cattaagagg cttcctctag aagcttctc gtggcttctt 240
 tgagaagctt tctcaagagg cttctttgag aagctagatc cttatctatc cacaccctc 300
 tattaactaa attaacctcc ttaaaaataa ttacagatga aaataacgca acaataatc 360
 aaacatcaaa cataattact aataatatat agatatatat atcagggtgt tacaccgtgt 420
 ggtgttagct ggaatat 437

<210> 24588

<211> 419
 <212> DNA
 <213> Glycine max

<400> 24588

gaattcgagc tcggtgatcg tcgatactct acaggcgagc aggcagcttt ccagtttaag 60
 agcgtcacga ctactcttca gatgtctgcg gatactataa gatacaaaat ccacggtacc 120
 agcagaaacg actccaagcc agtgacaatt gccgcataag cctaattcta ccatccaatc 180
 ggctggataa tggaattctg cgacacagtc gcgcacaggc atattggatg tgatcgccgt 240
 gaataacatt gtcgacttac ataaggaggt gtgatagcaa gtgagcatga cctcgcgcca 300
 caacctgtac tctgttccga cgacagcgat gtcctcga gccaacgcaca gcgccttcac 360
 cagcgtgatg acattgcac cgcacctga cgacccgatg gaatcgccgg cgcaagaac 419

<210> 24589
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 24589

tgggctgctc ctggtgagca atatgtcttt gaggtttttg aaacacatgt tcatgggagc 60
 tgcacttgca aaaaaccac aattgttgat gcacgatata tgaccttcat gatgagctcg 120
 gcacgcaatc gtgtcatggg acatatattc acaactgacc tgcacagacg acattcaaat 180
 atacaacata taacatcgcg ctttactga tatgcagaat aactcaatgc ctactatga 240
 atataggcca atttgaggaa tgcaaccgga taacacactt tgaccactgc aacatattga 300
 tgatactcgc ttatgagcag acccatgcaa ttatacaaca aatgacggag aggtggtgca 360
 ttgtccact ttatgaatat gccaaagttgc ac 392

<210> 24590
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24590

agctttcaac aaatgtcttc acaataatc atcacacagc agaaaactaa caaaactacc 60
 catcatatct cccaaaacc cataccacg aaaatcaaag gggaaagaag tccacccaaa 120

cctgaaatth cgaagtccca ctctgtagcca tgcacttcac gacccccgaaa atgccctcct 180
 ttctgcgattt ggggcagaaa tgatggccaa aggttgaagc tttgcttgga gcttcaatgg 240
 aaaatgaaga agaagaaaat ggcaacgtga gggagagaga gagctgtctg aaaagctttt 300
 tgggtcttaaa taaaagggtt ttctcttttt ctattatttt atttaagcaa tgccacatgt 360
 ctacatttga g 371

<210> 24591
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24591

ntcaacatca gggttggggc agcagggaca tgaatgtatc cattctattc caattctctc 60
 cttttgtctt tttattagta ttttttttaa attgaactaa cattctatgc tcttaagttt 120
 ggcttctttt catacttgta tataaatgta aggtgtccct ttcatacccc cttttgtgtt 180
 gcttggacat gcttgtgagt tttttgtttt ctttttctct ttttgataat ttgattggac 240
 atgcttgtga gttttttgtt ttcttttct ctttttgata atttgattga tgtgtgagca 300
 atgatgggta ggaggggaga agaagtgtct gaattctgag ctatggcatg catgcacggg 360
 ccccttggtg tccctaccaa ctgcagggac tcatgtggtt tacttccctc aaggtcataa 420
 tga 423

<210> 24592
 <211> 360
 <212> DNA
 <213> Glycine max
 <400> 24592

agttttagg ttatagtac gatgattggg ctagaaatga agatgatcaa aaaagtatta 60
 gtggatttgt gtttttcatg ggaatacga ctttacttg gatgtaaaaa agtactcgat 120
 agtcactctt ttgacttgta aggcagaata cgtagcagct acttcatgag tttgtcctgt 180
 agtctggctt aggaatttgt taaaagagtt ggacatgtca caagacgagc agaccaagac 240
 ctttgtggat aataagtcaa ccattgctct agtaaagaac ccagtgttcc atgatcgaag 300
 caaacatatt gacactcgtt accactacat aagatagtgc atagcaagaa aggatgtaca 360

<210> 24593
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24593

agttggatta tggggcaccc gtcatatgtg ttactaggtg gcgattgggc gatggcgcaa 60
 atcaactctc ccacttccac aaatcaaaca tgaacccacc atccccagtt gccacacctc 120
 aactgagctc acgtactcct acgtagccct taccctcggt cctctcagca cctgggtcccc 180
 atcaaccctt ccaagcttcc acaatatcca agcaattcaa tttccaaaca tcatgaacta 240
 ccctaaacca agaaaatagg gcagaggcag aaaactctgc ccaaaacaca ttcacataat 300
 acagctttcc ttactcatat acccccgtaa cattctcttc gttccgattc gttaaccggt 360
 ggatcgacat gaaaatntta ctagagggtc ctagtacata aatctac 407

<210> 24594
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24594

agtttatggt caactcacia ctagacagac ccagagccac acagtataat aaaatcaaaa 60
 ttaatttttt tttccagtac ggctatggaa ctcaatcggt gacaacagag aagagaaaaa 120
 caatgagtca gcattgcatt ggtacctttt cttcctatct ttctcctggc tctcatcacg 180
 caggctcagt aaagttggcg ggaccaggct ttgtacacaa accgttcctt caattgtggt 240
 tccaattcca gaaggtaatt taacgcaact cacatcacca gttttgaggt cataccaaca 300
 gagcttgcta cggttgagtt cgaacaaaac cctgtcccca tcatccatag ccaaggcct 360
 cacatatt 368

<210> 24595
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24595

taacaaactg tgtttcattt ttactgttct tatcttttta taaaaaaaag aaatctaact 60
aatgaagacg aacactagtg agaattattg tcactcttat taaatatata gttataatta 120
tttaaaaaaa aatatagttt atatttattt tattgggtgg tgatgagtgg ttaggaaatg 180
tctaaaatgt ttgaaaatgt tagtagtaat ttgttattaa tatttatggg gatgagcaat 240
gggagtcaaa agatggagca gatgatgatg cgatgtgggtg agtgaattgc agagtcggca 300
atggtatgtg tatgagcgta gtcacacttg aattgaattg aagctctgtt ctttcattgtg 360
acgacaatct ccaacgtcgt aagtcgtaac actacaatac gtgttgatcat cgtattgggtt 420
ttagtg 426

<210> 24596
<211> 358
<212> DNA
<213> Glycine max

<400> 24596

tgtttaatag tgaatcactt attgtgagga caagttgcta tgacattaaa ttttaattgcc 60
attcttgttg catatttcta accatgcttt tgattttgtt gagctaaaaa gttgaatgtg 120
ggcaccacca tacttagttg attgaagcac atgaacaaaa aaattgttga atgaagggga 180
atgcaagaag agtgtgtatg taacttgtct ttgtgtatac ttagtcttta gttttaattt 240
ttcttttgtt tttagatcct tacttttttt aagtagttct aactgtttta gtagtttttag 300
ttagtcttgc ttgaggacaa gcaaggttct aagtttggag tgttgataaa tgtcaaat 358

<210> 24597
<211> 406
<212> DNA
<213> Glycine max

<400> 24597

tctaccccaa ttgtctatga atagggggag atgtgttggtg gaaaaggggt cagcccctta 60
ggcacttctc tctctttcga atttgcttag gaaaattgtt tccgtgaaga aaatccaagc 120
cgtggcgctt ccgtaacgtt tccgtgagtg atttcgcgaa ggttttcaac cgttcttcga 180
cgttcttcat tcgatcttca tcattcttca gtctttaacg ggtaagtacc tcaaaccaag 240
cttttcaatt cattctatgt acctgtgggtg gtccacaata ggtttcatgt attttcattc 300

tcgttttcat atactttgog taccctttt tgacgtgctt aagccgttat atttaattca 360
 tttctcgctt aacctacaaa taaactaaat ttccatcgat cgtttg 406

<210> 24598
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 24598

agtttgtgaa gaatttggca ttggagatgc tcgcttggag gaaatgatcc gagaagctga 60
 tcaagataat gcgagtatat acatatattt aatagtaaca taatttattg attgtcacat 120
 aatgaatgaa agaagaaaat gaatttagca aattgacatt ggtatagctt tcttccatta 180
 gataacgtaa ttctggagta ctaccgttgg aaggataagt agatcaacat cttaatcata 240
 atatctcaac tgtgttgaat atattaataa tactacttat ggaaagtact atgtggctat 300
 aatacaatgg ttagatggat ttctaaataa ttttatgcca tgatgaaa 348

<210> 24599
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24599

ggacctatga aactcagctt gcagggggct gaaagatatg taaaatgcta ttatctatac 60
 tnttttagttg gatctataca attcacccaa cggttgtaaa gagtccaggg ggctgaaaga 120
 cgatgattat ataatgcaga attttgagaa tattgctgta tgattgtgct aatcctaatt 180
 gtattgagaa tattgctaca tgattttgct gatcttaatt gattctattt gtgttaattc 240
 tgattgtatg tattaattct tattgcattt taattctatc ttgtatcttg atctcttgat 300
 tattgcatc acttattttt aggatagata gttgtatcat atatgtcagg agaagctata 360
 ggagaaatct tacttaggcg gttggatgac cttgcatata tatgtatcga ttgtttctaa 420
 tacatgcaga gcaacatatt ccat 444

<210> 24600
 <211> 364
 <212> DNA

<213> Glycine max

<400> 24600

gcacctttga gctttcatgt ttcgaaatag acaactgacc agctgacgat cagcgaatga 60
tgaataacgg actgataatg ttcaccgaaa cgtcacggaa gcattactga agcgccctcag 120
gcttagattc atctgtgcat tatctttggt ctagatagat ttaagggtat tatgaatacc 180
gatagtgttt aaccccttca actaagcccc ccatgcccac ttatagacaa aaagggggaa 240
gaggatgccg cccagctttg ccaggcgagc tagaagctat ctccagaagc aatctactca 300
ccaagcgag ctggatgctt catgttgaag cttgataatg ggctagatgg gcccatggct 360
gagg 364

<210> 24601

<211> 291

<212> DNA

<213> Glycine max

<400> 24601

tctttactag aaaattcctt gctgtattgg ttcttgtgct gagattggag ttgttgacgg 60
ggtgagactg tgtgggaggg ctttgcgttg agtgggcact ctttgcctga ctgtcaccgg 120
attggaaggg tttttgacat gggcggaata tctcggttgg agtggcgaat attcggaagt 180
gttgtgaggg gtttgatggg atttatgcca agtaggagct gacggactag cgagggtatc 240
tgcttacttc ttcttgaccc cactggctct gaatattgta ttgctcctgc t 291

<210> 24602

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24602

agctttntgg agtagaaaca tgggaccaac tcattttatt tcaaaaaaag aaatcatatc 60
tagtcaaggt ctgagagacc atacaagttt cctaacgatt tctaattatg tggggcatta 120
agtctatcat atgctgacaa tagccgagaa gcccatgaat ctcttcgggg gcggagtagg 180
tgtctgccat cgccttgccc ttggctaaca atcggggaag ttcttgactc ccgttcaagg 240
taagagcaaa ccgatccatc cacatgggtg cctcttggtg taaagagtcg atcacccctc 300

ctctagcctc tttttccgca tataacttggg cataactcatc cgcgattcta tgctcgt 357

<210> 24603
<211> 433
<212> DNA
<213> Glycine max

<400> 24603

tcttcttaga cctaaggatc ggtcatcttt cctggccgac gtcttatgtc atatttttcg 60
atcaatatcg gtgaataata tttttctgcc gtggtgggct aatgttttcc tggttgaata 120
aatgggaaca tgccagtttc ggccgaaaca aaacgtctgt tgagctcgca cgaaaaaacc 180
tagccggcct acattgttaa ttttttatgc aacaccaaaa caagaaaact tccactgccg 240
taaaaaatac aatcataggc cagcgagcgt ttttaaaaaa aaaattgtcg gggctatttc 300
atgaccgatg tcgactattg agtttttcta ttcaatccct gaatgagatt tgcgatgatg 360
cgattaggaa atgttcgatc ggcacatcc ggtgatgctt ccattttaga cctcgatcgg 420
tcattctctcc acg 433

<210> 24604
<211> 357
<212> DNA
<213> Glycine max

<400> 24604

cagctttggg ttttaaaaaa acctatttac caccgccagg gttttagtta aggccccccc 60
cccttctttc cttgggggaa aactctcttt tctcctctct ctcttgattt tttcgatttt 120
aagtttagac tctcttctct ttctctttta ttttcgctta cttacaaatc ccggtcagac 180
actttgggtt atcaataaaa gttcattctc tatttgatta atggaaagct tagtccgcat 240
cgttgttttc cttgaggat caagcacagt tctctttgag ggtctattat taccgctaga 300
tttttggtta attttctct ctcttaatta ctttgaattt ggtgctttta attcatg 357

<210> 24605
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 24605

ttaacttaat tatattacac ttgtttatgt atgtgtttat ctcttgactt aaatataatt 60
ttggtcattt tattttactc aatacgtaat tttggtctct ctattttaaa attaaaatat 120
ttgatactcc tattttttaa aatctacaat tttggtctct ctattttaaa atacaaacat 180
tttgtcccta tatttttagaa aattcataat tntgattctc atattataga aaattcacia 240
ttttggttta atatataatt tctcctatgt ttcatttctt ttatttttta ctttgtagtt 300
aattaaatca tttcttgatg atatctttaa tgaatatgta gatttaggat ttaattagac 360
caacacataa gatataaaa 379

<210> 24606

<211> 371

<212> DNA

<213> Glycine max

<400> 24606

agcttgatcc ttacgagtca acttgggtcaa aggcaaggct aacttgagga aaccttctat 60
gaatctctag taatatcccg ctaaactgag taaacttcta atttcataca cagatgactc 120
tcccacttaa gaaaaacttc attttagaaa gatctacagc tatatcgctt tgggatatca 180
catgtcctag gaaactaagt ttccttaact aaaactcgca cctggaatct tagcttaaag 240
ttgtcagtcc ttaaggggtt gcagcacaat cctcaagtgc ttttcatgct cctctctagt 300
cttgagtagc accagaatat catctatgaa ttctaccaca aaattatcta gataagggcg 360
aacaatctta t 371

<210> 24607

<211> 423

<212> DNA

<213> Glycine max

<400> 24607

tcatgttgaa gtatgtatgg aaaaacttca ttactgttgt ttaacacata caagtgaagt 60
tgtaacaaat cttcagactt ggagttataa catgcagtcc ttttcaacct ttaccaccca 120
ctctgtcgtc atggtaagac ttatgaagcc caatagggtt tgccttttca atgtactctg 180
aacaaaactc aatggctttt tcttcaatgt acctttcaac aatagaagct tccggacgat 240

gtagattctt ggtataccct ttttaagatct tcatgtatcg ctcaactggg tacatccgcc 300
gcaaataaat aggaccccaa catttgattt ctcagaccag atgaacaatt aagtgaacca 360
tgatgtcaaa gaaagtagga ggaaaatata tctccaattg gcataatgta attgcagcct 420
cat 423

<210> 24608
<211> 374
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24608

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tttatctcag cctcatttgt cacaagatag tgacatggag tttatggtaa atatttgtca 120
caacaaagta gttttatctc aacctaattt gttgcagcac tccattttta tatattacaa 180
ttattcatgt ttggcattta catgtaggtc cctgcaacta ttgttccacc aatagcaagg 240
aataagctag ccataacaag agccataaaa aggaaggttg ctgataaaga tgatgcagaa 300
aactgaagaa gcattttttg ttgcattntg aaggttgctg aaggttgctg aagaccatt 360
ttttgttgcg catt 374

<210> 24609
<211> 435
<212> DNA
<213> Glycine max
<400> 24609

tgctggtgaa gattctatgg aggctggatc ttgagctcct tgaggtcctt caatggtgat 60
ttttcaccat ggagatgcag cggaaggcaa aggagaagag gagaggggag gcaccatcca 120
ctaggaata agccaaggaa gaaggagctt caccactaag aattgccttg gataagaagc 180
ttgaagagga tgctttaatg gaggaaaaga aagagagaag gggggagcac gaaattgaag 240
gaataaaaga gggaaagaag tggaactttg aagtgtatct cataagactt tcattcatca 300
aagttacaac aagtgttaca catgcttcta tttatagact aggtagcttc cttgagaagc 360
tttcttaaga aaacttcctt gagaagtttc tttgagataa cttccttgag aagctagagt 420
ttatctacac acacc 435

<210> 24610
 <211> 361
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24610

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcccta 60
 gtggatggcg cctcctctcc cctcttctcc tttgtcttcc gctgcatctc catggtggaa 120
 aaccaccatt aaaggacctc attgaagctc aaagatccaa cctccataga agctccacaa 180
 gcaagcttcc atcaagtggg aatcagagca caagagcttc aagtaggtgc tccttaaacc 240
 tccattaatt ttttttcttt accttctctt ccattggtgt ttcttcattt ttctccatgt 300
 atctcctcac atgtcttggt ctaaagtgtg ttaacatgat tctttanagt ttccacctat 360
 t 361

<210> 24611
 <211> 413
 <212> DNA
 <213> Glycine max
 <400> 24611

tggattgatt cagtccaact agggatcaag gtttattaat ttacgctaca acatagaaca 60
 caaaagcatg attgattaga gaaatatctt tacatacctc agctggtcta ttagaaaggc 120
 ccaacatatt tacctattgc tgtcaatttt acttacttgc atttttattg tttttagcct 180
 atacttagtt taatcctggt ctaaatacctc aattatcaat gtttctttca acaatgcctt 240
 atttttgaat ttaaccgggt cttagactcg ttccctgagt ttgatactcg gattcatcca 300
 ttttaatttt aaatacttga cgatccagtg cgctttccag aaaaccggat ttcccttgaa 360
 catatttgta caaagaataa gtggaccaaa aagtaactgt agggaaatcc aac 413

<210> 24612
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 24612

agcttgattc ttacatttat ttcctttttt tccctttttt taggaaaaat atgaagggtga 60
ggaggtagaa accactaaca aagagcattc gcaccattgt gtcttcaa atgtcaactcaa 120
ccacactagg ttagaggagt ttcactcta aacctcacga atcatgtgat gtgggactgt 180
tttgggatca tatgggtgtt tggaaacata aaaatgctat gggtttcatg ctatgttgct 240
aaaaatgtta aaaacgcgtg ttttttttagc tattgttgag cagagatggt ttgattttta 300
gaaaattaca ggctacatat tttcaaaagg ttagacaatt cctaagggtt ttggagtccc 360
tagaatc 367

<210> 24613
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24613

tccctggacc aatattaagt tagcgtaaat tntgttgcaa tatcacctag taccgaatca 60
gccaaatatt atcctgtagt acacacataa caaattccag gtttgttggt ttaccttaaa 120
atacttttca tttgtcaaag gggtagaaaa ttaattcaaa gaagcaaaat gcttaagatg 180
caaagaagaa attgatatgc atcataaaac aatttaagat atatctctgc aaacatgact 240
cagatcaacc atttattcta taacaagaag attcaggaag ccaaataaaa ttgaatagac 300
taattttaac caactagata caatagggtg tcagttagga agccaaataa aattgaattt 360
tttttataag caaagtaatt tatggatata agaatgcttg caatgagaac aagagatgcc 420
caaaacaata c 431

<210> 24614
<211> 348
<212> DNA
<213> Glycine max
<400> 24614

agcttgctgt tttatggaaa gaattctgga catccaaggg aatagtactt gcaaggggaa 60
tcaagtgatt cagacacctt ctccagtgcc agacacctaa ttttttcaa ctcttggtac 120
acaaggggaa ttggttggtg ccctatatta catgggaaac actgtggtgg ccatggacac 180
tctaaaaaga ctctatgtgt tacattttat ccccttatg gaaatacact ttgcagcttc 240

aatcatgaca agatcaactt tcggacaact tgatgaaaat taacacaaga attgcagaat 300
 caaagattgg ctaaagatgg gaagaaattt tgggttatgg ccctctat 348

<210> 24615
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 24615

tgcccaaata agtgagggtgt gtgtgtgatt agatctttta gtcccttact atttgaattg 60
 taaagtgcta gaaaaggcat tcttatacta agtagttgga cttggagcct ataatttcat 120
 gtttactttt atctgtcttc tgacatcatt gagggagcct cccccccccc c 171

<210> 24616
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 24616

atcttttctat caatgtgatt aacaaccaca atttaattaa ttaattaatt aacataacga 60
 aatcagagcc aggataccta agattgattt gattcgtcga ttaaattgact agattgttca 120
 attcaaaaag gaatttacta ctactactac tactacagaa cgtatgaact tgaattgcta 180
 gtacgatcct gaacgatgag aaataaatga taataagaaa gaaagtacct tcggatcttg 240
 ttgccctggc cgacctggta catgccccaa gagaaagcgc cgaatgtggt gaggaagatg 300
 gcaacggcgc tggggccctt gttcgggatg cgccgggcga accggaccgg agcgaaccgg 360
 c 361

<210> 24617
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 24617

gtgcctttta ggcttgtagc tcataccttt cttcttatgc tttaacctca ttgtctctca 60
 cagtcttttag atttgggagc caatccaatc cttgtgtccg gactctcagc cacttatgat 120
 agccgccgat gatccatta ctgcttcccc taagctctct gtcctttctt cagccgcgat 180

cccatgcctt gcgaactcct tggagtaccc tcgcgttggt gtcactgaaa ccccgtagca 240
 tgaaagacgt gatgctttcg tctgatggca ctctctcat ggggtagcca agctgtctta 300
 tggcgaggac gggattataa ttaatgcaac cccttggtcc catcaaggga acatttgac 360
 atccttcgca tgaagataga atcctgattc ttccttcctt ctacgaggg aaccaattaa 420
 caga 424

<210> 24618
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 24618

agcttctata ttagctgaac catcttatca atagcgacaa gccgagttct attcagaata 60
 ttagagtcta tctcttttat attagtgaac gtgattctcc taaaatcttg agtgaatcaa 120
 gagcaccttg tctgtatcaa acgactttca caacctttgt gtgatgacct ccctggatag 180
 atggatgggt tccttccttt cgtcatcaca cctggtgttt caaacgacaa ttcgagataa 240
 ttcacctttg ccgagaacta tctagtggac gttagtccca ttttacacac tcaaatcaag 300
 tgataactga gcctaaattg aatt 324

<210> 24619
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 24619

tcaacattca atatcgagcg tttcgatata ttacgtgact gaaccagaca tccgagtaaa 60
 aagttactgt agtttgaagt tgctcggagc ttcaacattc aatatcgagc gtttcgatat 120
 attacagaac agaatcggac atcagagtaa aaagttaatg tcgtttgaat tatgtcagag 180
 ctccggtatt ccatttcgag cgtctcgata tattacggga ctacgtcaga catccgagta 240
 aaaagttact gtcgtttgaa tttctcaga gtttcgataa tcaatttcga gtgtctcaat 300
 atattacgag actcagtcag acaaccgagt aaaaagttat tgctggttga attatctcag 360
 agcttcggta ttccatttcg agcgtctcga tatactacgg gactcaatca gacatccgag 420
 taaaatg 427

<210> 24620
 <211> 363
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24620

agcttctatc acagtctcat gatctgaaat gcatggtcta atgacctgat cactgcacaa 60
 tttccacaag taggggtcat cccaaataaa atgcttagca tcacttttaa ttttatcttt 120
 ttgggcctta gatgctaagg gaggaaaaac agaagcaact aaataattga caatgttagc 180
 aaaccaggga gtagaaagag aatcagaaat actatacaat atatataaat gatcatccgg 240
 aaaatcatcc cgaatgggtg agtcctcatc agacacatgt tcgggtccgac tcanatgatc 300
 agcaactaaa ttttgtgtc cgctcctatc acggatctcc aagtcaaact cttggagcca 360
 gag 363

<210> 24621
 <211> 448
 <212> DNA
 <213> Glycine max

<400> 24621

tgacactatg aatctcagct gctcaggaag ctacctagtc tatatataga agcatgtgta 60
 acacttggtg taactttgat gaatgagagt ctaagagac acaactcaaa gttcaacttc 120
 tctccctttt tcttcttca atttcgtgct cccccctctc tctttcttct cctctttctt 180
 ttctccatt gaagcactct ttccaagctt cttatccaag gctcatcttg gtggtggagc 240
 tccttcttcc atggcttatt ccttagtgga tgggcctcc tctctctct tctccttctg 300
 cttccgctac atctccatgg tggaaaatca ccattaaagg acctcaatga tgctcaaaga 360
 tccagcctcc atagaagcca cacaagcaag cttccatcac tagtatctg taaattccca 420
 ggaattatta ctgttgtgtc ttcaaagt 448

<210> 24622
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 24622

tgttttatca ttggaaaatg tactgcatcc ttagaactgg atagagtagg gctagggttat 60

cgaactaccg gacacggagt gcggtaatTT agttttctta atatgttgta attgtaatgt 120

tgttcgggta ggctaagtTC aacaagaaac atctgagaat gaagtttaat ttgaattacg 180

ccaaactcgc aagacatcgg ggtttggtat ttgtgccttc agcatagaac acagaaataa 240

tttcaaatag agaataacca taaattaaag gagtttgata caatttacac aagttttata 300

cacaaaagtt agtagtattc atcgactaac aatgacccat ggaaaaat 348

<210> 24623

<211> 424

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24623

tagctcaata agcaatgtat aatactctaa ggtccacatt aattatntcg ctatcatcca 60

ctaaaaacat gatgagaaac aacaaagatt cgaaatcagt tagaaaatga aggctgtact 120

tggtataaca cttcatctgc cacccaattt ccaatacctg aaatatagct atgcaaagat 180

tgaaatttca gatcttttta taacggaatg taagcctgcg cgcgggtcaag tacttagaat 240

gccaagaaaa agaaaattca agtatataga aattgacaca gcacaattca ttaaattgaa 300

gaaaaagttt atgtccctta tttcgcacaa gtagaggat tggaagaaa aaaaataaat 360

aatgatcagg gagcctactc gttaactctt cacagccgat gttcatcatg gtcgtgttca 420

aaca 424

<210> 24624

<211> 360

<212> DNA

<213> Glycine max

<400> 24624

agcttggcag cgactcataa gcaaaggcta gaggacgagt acaccaaggt atcaatccta 60

caagcagaaa gggaagcaag ggaaaggggtg atcgattcat tgcacagaga agcaatgatg 120

tggtatggaca ggttcacctt tactttgaat gggagtcaag agcttccccg actgctagcc 180

aaggccaagg caatgggaga tgagaactcg actcccaaag aagttcacag gtcctcaat 240

tattgccaac aaatgattat ctgatggccc acataattaa gagctactat ggcaattgta 300
 ttgtcgcttt gattgtgatt agataaaccc tttttgttcc ccaataaaat gaggctgatt 360

<210> 24625
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 24625

atgccagtaa aaagttactg gtggctgaag ttgctcagag cttccacatt caatatcgag 60
 cgtttcgaga tatgacacaa caaaatcgga catcaaaatg aacagttaag gccatgcgaa 120
 ttatgtcaca gtttccgtat tccatttcga gcgtctcgat atattacgag actcacacaa 180
 acatccgagt aaagacttac tggcgtttga atttttctcag aacttccata atcaatttcg 240
 agtgtatcaa tatattacgc gactcaggca gacaaccgag tagaaagtga ttgtcgctttg 300
 aattatctca gagcttccgt attccattac tagcgtctcg atatactaca ggactcaatc 360

<210> 24626
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24626

ctgcaatttt aacatctatt accatagtat gaattttttt ttttaaaaga gtatgaacta 60
 atatttttagt atcaaataaa ttgaatccat tctgttgatt gaagttcacc aagcaatccc 120
 ttattcgcttt gggatatgtt ccatgttttg aactgtagtt ttaaaggaaa aaaaaaaaaa 180
 gaaagaaaga agagaaggcc aatttaatat tttaaaaata aaagataaaa atcttaataa 240
 tcatataatt ctcttaattt taaaacaaaa acttgcctta ctcttcttat ccttttaaaa 300
 ttttacttcc aagcaaaagg gttaaactat atattctttg gctatctctt tctctacccc 360
 aaaaatactg gatataaaat aattgcaaaa atagttctgt tgaca 405

<210> 24627
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24627

agcttgctgc tttatctgac ctatgaacta ccctaactct attagactgg tgattcctat 60
gcttttgacc ttgacttgac agaacctctt ttttaagttaa ggcgcctgac tcgaccccat 120
gttttactaa agcgaaacaa tacccaatgc gaatcaacac tccgacatct atcatgggtg 180
gaatggatga atgcatgaag aaatgcatat gacacagatg caatttatga atacaggagc 240
ccgggaaatt gtccctttct tagatacaac gtttgtgcag catggcgccc tatgtatgta 300
tttaagaagg cgacatggac cctacattgg ttgacatag tgatgggatc aagacaggat 360
ccgtgcatga tgcataatgcg aaaagcacia cacatggatg tacat 405

<210> 24628
<211> 398
<212> DNA
<213> Glycine max

<400> 24628

agctcctaca tttttctgac ttctcacact ataaacctgt tcagatacaa atggattcca 60
caaagctaatt ttcaaattgt gttcaatttc ctaagaacca ccaatcctga ggtagtaca 120
catgggtaatt gctcacatct ttgagagttg ggataacaca agcataatta acaaatatt 180
ttaagtattt gattatatac accaatatta ctttattata agcataaaga gtgattacta 240
taccaattaa agaaagtaaa atatcgatca tgctcaaagg aattaagaaa tttaagaggt 300
catatactat tacatttaaa agaaatgtat ggaatttcaa cacatagaca aaatgaatgg 360
ccttcacatt tcttctgaat aaagcatcac acaagttg 398

<210> 24629
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24629

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gaaggctttt gattcgggtt atgaccattc gctaaaactt ctccttctgt ttccacttac 120
taattttaaa ttctcttgca tgaagttaat aactgtggga cctgctgctg ttcttgtagc 180
gctactttta ataatcacct ctatgttcat gtgtggcatt ctttccatgg tatggtgctg 240

actagtcaga tatggtcttg aataaaccta aagagtcaca aatgtcttat aatggacacc 300
 aaacatTTTT gtccattggg aatgccgcta tttggagcca aattgtctga tggagctttt 360
 ctctgttcct ttctatcata gcaatcaact gctgagctat gcttttgcac cattccctat 420
 acatatttgt 430

<210> 24630
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 24630

agtttgacta tgttatgcaa attgtctctt atggccatga ctaacaattg ttgcatcaag 60
 atgtggcaat catgagactt taagcctact aatttaagat ctttcaactg cacttggctc 120
 ttaatatTTT aagagtatcc ttgtgggact ttgacctgtc gtatacactg aaaaaaactg 180
 atcttctcct ttctgggcaa agtatgacaa gctggaggca agtatatttt ttaccatcag 240
 accttagatg taactgcgat cgtatatcca tctcagctag atcttgacaa gtattcaaT 300
 catctttcgt ctTgccttga atgttaagat gcgtcccaat gacactatca catatatTTT 360
 tctccacatg catatcatta atacaatgtc taacatctag atc 403

<210> 24631
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 24631

aataatatat aacaataaat atattttcca tgctgaacat aaaattaaac aatatttact 60
 acttactata taatgatgtc tcaacctacc cttttgcggg cgagcgaggc gaggtctttt 120
 tgagcctttt ccaaagagaa aaatgtgcgg agtcgccacc aacgcttatt tgtggaaaac 180
 gttcgataaa ctgaaggaaa ccggtcataa acaatattcc aagttcggga gtcgtatata 240
 cgtttgagga atgtagtagc atctttcacg tttgctcaaa ggacaccagc cttatatTTA 300
 gaactgtgtg aaa 313

<210> 24632
 <211> 391
 <212> DNA

<213> Glycine max

<400> 24632

agtttttagta gccactcgc taagcacaaa tcttacgcta agcgccaagt cttcacgcgc 60
taagtgggcc cttgcttgcg ctaagcgctt aaaccctga ctagtggctg gatggtagcg 120
ctaagcgcg cttactgtgc taagcccaaa tacctctcag gattttaatt tctcgtattg 180
ggcttagcga ggtgatgcgc taagcgcaat tccctctctg ttttgaaatt ctttggaata 240
gcgctaagcg ctagcaacgc gctaagcgcc agccatcact gcattgagga gcatgtttat 300
gcgctaagcc ccacctttgg tggctaagca caaattgcag gaccaatttg agctgcagga 360
agcgctaagt gcatatcctc acgctaagcc t 391

<210> 24633

<211> 233

<212> DNA

<213> Glycine max

<400> 24633

actcaagctt gtagaacaat aaatcccaac acaccacatc actgggtgtc tcttaatctg 60
tttgaaaaag agtatccctt cttctccctt cttgcatcgt caataacctc attgaccacc 120
aagggtactat gaaaaagata cctatctttc aagaagggtgt tttgcttttg atcaataact 180
ccatttaata ccttcatcaa cctattggca agtaattttg ccaatatattt gta 233

<210> 24634

<211> 396

<212> DNA

<213> Glycine max

<400> 24634

agtttttgagc caataccaac gaccataact ttttactcgg atgtctgatt gaggctcgta 60
atatatcgag acgctcgaaa ttgaatgttg aagctctgag ccaatacaaa cgatactgac 120
tttttactcg gatgtctgat tgagtcccg t aacatatcga gacgctcgaa attgaatctt 180
gaacttctga gctaattcaa acgacaataa cgtttttctc ggatgtctga ctgagtcccg 240
taacatattg agacgctcga aattgaatgt tgaacctctg agctaattaa aacgacatta 300
actttttact cagatgtctg attgagtccc gtaacttata gagacgctcg aaattgaacg 360

ttgaagctct gagccaatac aaacgaccat aacttt

396

<210> 24635
<211> 396
<212> DNA
<213> Glycine max

<400> 24635

atttaaatta tgtaagttaa ttttaacatg taaattatct ttattctaata tatataaatt 60
aaaaaattaa tatctatggt ttttagaaaac ttacatgtta atattttcat ttttaactata 120
aaaaagttat ctattgaaga aaattacatt aattaatatg taaattatct tatgtaattt 180
acaagagcca tgtaaattta tttttatata taaataatac aaattcttat ttttaattata 240
aaaaataata aattttcaat ttcttatatt atttaaagt tatttttaatt tacttaattc 300
gtataactta cataaaataa tttttatata taatctatat gttagtttat gtagtttttt 360
taacatcata ataaaataag aacaaattgt tatata 396

<210> 24636
<211> 417
<212> DNA
<213> Glycine max

<400> 24636

caccaggctcg aggcaatata ctatcccat ttctgcttat aaccttcac ttcatgtgtg 60
tgctttcaga aacactagaa gaggcagtag catgaagtag tcggtaactg tcttgattag 120
atgaagttct aggaatggat cgagctgaac cataattact tctgtcctgg tgttgagaag 180
agttccttct gtcaaactct tttggaccct tttcaacctt tgtgagcaca gaaatatctg 240
atccactctc agatcctgga tggcccaaaa tgcctttcaa ttccatatag cctgttgaat 300
aattgggagc acccacaaca tttggaaagg caggcttctc gagattcacc ctatctctca 360
taaactcaag agcaaattcc tcaccagtct gtatggagta attaatgata gggtttat 417

<210> 24637
<211> 282
<212> DNA
<213> Glycine max

<400> 24637

tgttttatac ccattatcac atctacagga ccaaggtcct tcatatcaaa atttctagat 60
aagaaagact tcgcatcatc ttcgaactac atatgatgat ccagtatcgg tatgtcatgc 120
acatactaac atgacacgac gcattcatta tcatcatggt gtgtcacata cacacattta 180
tcagtgtgat tgatttgaaa accatacgag agaagaactt gatcaaattg ttctgccact 240
gctttgaagc ttgattcaaa ctatgcatag attgaacaaa tt 282

<210> 24638
<211> 408
<212> DNA
<213> Glycine max
<400> 24638

tcttgcgtag ccgctcttgg tgctcagttt atcccttaaa catatccctc ttattactag 60
ctattttgaa ttcttttagtt cctgaatgta caaccttcaa attgtggctc gttccctct 120
ttcttttctg caaaaaagac aatcaaatgc tgtcaaaaca tggatgaagt cctaagaaaa 180
tcaatatcac agaaaacatg gatgaaatca caattaaaaa gcacaactac ctatctttca 240
gagtcctttg gttaatttgt cttgtctcct tatgtggcgg ggttctgatt aataatctta 300
tacttttgcc ttccaaaaaa aacttatcac taatcctctt ttcattaatc caattttgta 360
tgtcattgta taaaagatca tgggttctac acctgcctcc actactcc 408

<210> 24639
<211> 386
<212> DNA
<213> Glycine max
<400> 24639

agtttgatcc ttgagatata tatatagaga gagaatcttc tttcaccaat taatgatgcc 60
atgccaacac gtccaaactt ttttgggact aactgtaac ggtatgtttt ctatatacaa 120
ttacaatgta ttcccagcta gctaggatat gtctgcaagt tctttaatat tttatgttta 180
cattttcaag ttggtttttg taaacaaaat ctgagatcaa aatcaaattg aactgccctt 240
atatcgtggt tcctaccttt ggtgttgctg ttgaaaccta aaaaaaaatc caaattttca 300
tttcctaatt tgtgaaagaa ttgaagcact tatttgcttc cataaatattc gtcatgatca 360
attattcttt agaaccatta aatact 386

<210> 24640
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 24640

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tgcatgattt acatctccct ctttctcatt caaatatttc ttgatatcat caaaatcttc 60
atgattttaca ttctcccact ttttgatgat gacaaccacc tgtaggttac gagcaacaac 120
aaagaaaata tctatttgca tatagtttac tcccccttgg ttttacaatg attgcttata 180
tgtgacaatt gaagattcca tattcttcat atataaaaag ttgtctcata aaacaataga 240
taatctttct tactatttta tcttttatct ttctctcccc cttggtcaac atcaaaaaca 300
aatcatgaat agagaggaga aagatgttac cacttggtgc aatgtatgag aataagtgat 360
acaaaaggc attaaaacaa tcattcaata ttaatcaagc aaaaacaagt acaataacac 420
atcaa 425

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<210> 24641
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24641

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agcttcatct tcttcaccac acaaccacaa ccacgaccta cacctccacc acactttcca 60
ttactcttac ctcttcctat ctttgaggag cctgaaatgg cggaagaaga acatcctaaa 120
aggacacttg gatactatat tgcacatggt gtgcaaaggc acttcatatt ggaatgtggt 180
attttggtta ttaaagggtg tagtgtcaat ctataattag gattgctccc ttcaattggt 240
cttagcacat ctctcaattt catgtaaaaa aacttaatgg accggattgg gtaatgctca 300
ccactactta ctaatatatt cacacagaaa aaccactact tattaatatt tgaaaatggt 360
taactataca ttntcattca atat 384

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<210> 24642
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 24642

tgtcagattg ttttcttagc cctattctct ttttgtcttt gtttcttctt taaggcattg 60
 tttcttctac aagttctttg aatctcttga tccaaaggga ctagatcttc ttaagaaact 120
 ctacctcaca tacatggaac aaagcatcta aagaacatgt tagcaaagta ctcaagagta 180
 atacaaaaac agaatttaaa agcaaagaat tgaagaataa tgaatcattg catagaatat 240
 gaaattagca taagttacct aatacgagaa acaagtcccc gacaacgatg ccggaaaact 300
 tattacatca ttgacaaaag taccaattag tgtagtatct tcaatagtaa gtagaaagac 360
 tgtctctca aggacttggt tgtactaagc ttttttgtgt aaactcaaca actaagcaat 420
 g 421

<210> 24643
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 24643
 tgcacgcagt ttagatataa tggagtttat acaggcaacg cgatattgaa cctaattctt 60
 ggctactttg gacattcata agctccatgc caattaaaat aaatgagtag tatcactatt 120
 ttagcaaaag cgaaatactc gaaactagaa tacttattca tggattaatt caagatatga 180
 taaataaagg agtgtgggat tggataaata gctaataatt attttaaaac cataa 235

<210> 24644
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 24644
 agtcttaagt ttgttatgaa tggctctgaaa cataagcaaa atttggtcct caatggagtt 60
 aagattgtat agtggtcgta tgtgatagtt aatgcagccc aaaccctttt caattagata 120
 ttgagcaact cttgatggac taaatttttc tacacctacg gtgattccgg gaatgaaacg 180
 gagctatgat gtcaatcata gacaaacggt atgtcttaat caaaatttaa gttagccttt 240
 ttctccttct catcatgaac taattgatgt ggaacaatga aatgatgttt ttaagtttaa 300
 aaaagtcgta agttaataac ttgagaccgc tgaactataa aaggcctatt agatggcttg 360
 ataacaaaag ctttggcctt ttagtcggaa g 391

<210> 24645
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24645

agacactcta gaaatctcaa gcctatcaaa tctcacagta gatcgggaaa tctctgaggt 60
 gagacgtatc agataaggtn cgaacacaag gataggaaga agtgcaagcc acatgggtgc 120
 tattacaatc ctgtagaatc ccttttagcat caaagcaagt gcagcacaaa atgtacacat 180
 catggatgcc acagacaaaa ataagggtac aagaccaatg agttacttca tgggcaacca 240
 cttgatgaaa tcttgctcag cataacgcga tgtgagaatt ccaataaaca tcaacaccga 300
 tgatgaagat gcgatgaggg atataccgtc tgatacgatg aagaacgtaa atgtgcttca 360
 cctaaaaaga ccggagtgcc atgattatca tcgttacccc cttgggcaag gaaagctgca 420
 catacataat ggctatgatg aga 443

<210> 24646
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24646

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 gtctttttca ctccttaaac cctaaccttg ttgtctttgg aagttaggct tcattgcatg 120
 ttgtttgat gtttaaaatt tggatatctgc tgtcatgaat ggagctggat gatatgttgc 180
 ttttctggaa gtttaaagggt taaaaatgaa ttttttgagt gttaaaatat agggtttagcc 240
 ttaaatttca cttaaatacag agttttctag ccaaagtaat gaataaaaca agtttttagaa 300
 cgttttatcg aataaaatct gtcacaaaaa taatctggca atgagagctn tgaggattaa 360
 ttntattaaa ttnttgacct tanaaatgag ttt 393

<210> 24647
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 24647

tgtgctccaa acagatgcac agaacagaat tgttttcacc taacttcatg gtaatttaca 60
taaactcgtg tcattttttt taatttgta ttgtgtacat tagtaaaatt taactaagaa 120
aatctaattt aaattttattt tcaaattttc tatcaaatta aacacttcaa aaacatgacc 180
agatacaagg taagattcac tcaactaaacc tccaaatttg cctactcagt ttcttcagct 240
cagggtcaaa ctcatctctg aaatgacgcc cctgctgaaa tcaaataata ttctgttttt 300
ttcactcaga tgtttgacct ctttcaaaag tctgacccaa ctttaagcttc cggggaaggg 360
gttttagtata tacgatattt caaattagtt ctagacgcgt cttactataa tagtaagctt 420
atacaactgt gtc 433

<210> 24648

<211> 393

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24648

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tggtacctgg agatatgtcg cggggggtcag gagaccttgg ggacgtcagg tggggtgcta 120
ttgccccaaa ccaagcttga ccaatccga cccaacccgg gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggagtcacac agataaaagg aacaaagacc 240
acaaagcatg gaggcttggt gtggctggcc agctgtgaaa cttgattgat atgtgagata 300
tggtctctgg taatcgatta ccaaggggtgg gtaatcgatt acaaggctta naagtgaaga 360
caggaggcta agatgggtctc tggtaatcga tta 393

<210> 24649

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24649

nttcacaaag tttatggtaa aatctaagac ctagccatgg cagatgtctc cacagaggct 60
attgcctccc tcgcctagta ttatgaccag ctgtcatacc ctaatttcat ccggagacca 120

tcgtttgatg gcatgcaacc tttgcttgac cgccttgagg tacttaacat ccatcgttag 180
gtaatccgca aacttccgcg acattccgaa agtcaaaaag aggcatgtgt gcgcaatccg 240
taaagttccg cgacatttcg gaagtcaaga agagccttgt tgcgtaattc gtgaagtttt 300
gcaacattcc ggaaaggaaa caagtatcgt tacgtaatcc gtaaagttcc gtaacgttac 360
agaaaaagaa tcagcaaaaa aagcaaaaag ggggtgtatt tagtaaaatg gggagtgcaa 420
gtagca 426

<210> 24650
<211> 406
<212> DNA
<213> Glycine max

<400> 24650

agtttaacag gaattttgcc ttctttatct gtgacatatg tattgtctcc cctgtaaattg 60
tttggcattc tatgtcaatt ttccaaagta aaaaacaact tatcaatcat gaacacagca 120
tatctgagac agtatatgaa gaaaatatcc atgaaactga agtttaaaat tgaaatacaa 180
taattaaagg gtcaataatg aattacagaa atgatatttc catattaaaa aaaagaaact 240
taactagtgc catttttagag gtaaacaaag aaaaacacat tttaacgcac tgtttctctc 300
tgcttccttc cccaagcaa aataaaaggt gtaacttttt ctatgaagaa atatgcatgg 360
taatctgttt acagcttatg cttctaagca ctactatgat tccaat 406

<210> 24651
<211> 403
<212> DNA
<213> Glycine max

<400> 24651

tcaagcttcc taataatgat gaacgactat caacatagct cctatatata tatagtctta 60
tctcatatag ccctaataatc actaataact aatttttaac attctatcat tcaaaagtat 120
ttctacagaa ataatgaatt aactttcaaa tattttacga ccatattgtg aaattgtgtc 180
taaaatcttt atttcatctt ctaaatacaca aaaatgataa taaagttcaa aactaattgt 240
taatcacgat aagaatcacc catgagggaa aaaaaacctc tataaagggtc atttcatta 300
aaataaactc agagataata cagattatta taaaagataa attctatatt ttaaaatcaa 360

aaggaggtgg cttaattgga atgcaaataa gacacgactt tac

403

<210> 24652

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24652

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aggataccat tttttttttg tttttacttt tgaagcatag ttgataaatt tcgtaggcag 120

gaggtacatt tggccaatca ttacaggaaa gaaatcattc caatggcatt gttgatttca 180

aacaagctct cacaaataaa actctgtcct ggaactacac gtgtcaactc tctctggtta 240

ttgacctttg tgtaggacag tgtaaaaacc aatgtgttaa ttcttaatga agcaagcgta 300

cgtgtgacgc gatcagacat cgtagaattt tcttttgatt acgcatagct acagggtaat 360

caacagcaac actcgcatgc caagt 385

<210> 24653

<211> 336

<212> DNA

<213> Glycine max

<400> 24653

tgctttataa tatgggaaca cgccaaagac aaaaggcgta aatccctcca taaacaggta 60

aatacaacaa caaccaagct tttctccact acgtgaagtc aaacaaagcc ataacgttgt 120

gttggaatc aagcctatac attatctaag ccttcctaca tctctagcaa ttagcgcacc 180

ctccatctga tctacaatac ttaatggggg ttcattaagt cttgtacacg catgccctaa 240

ccacctaaag caagatttta ccatcttttc tacaacaaga gcgctacccc aactttgctt 300

ctaaaatagc ccaccccccc aacatcgctc tcataa 336

<210> 24654

<211> 399

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24654

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agcgcgagtc agttgcgctt agcccatgag taaaatttta taaggcatgc taagcccagc 120
ctgctgcgct aagcgcctag ttcaattttt agttttattg aaaataaccc taattaatct 180
tgttgtttga tcatatattt ttagatggca tcaaagaaga gaaaggcacc tgccacacct 240
tcccagggtcc gatatgaacg atccaattca cttctcccga ggctgngaa aggtacacta 300
acattgttgt acctaggaag ctgcttcctg agcggaatgt ggtaatctac cacattgagt 360
ttggtgagtt caaggaagaa ttggagagaa gaaaatggg. 399

<210> 24655
<211> 426
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24655

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tgcaccata tacaatcaag gcagcttcgt tacctagatt atttacctgt acttccaagg 120
tgtatttggt acttacctca cacacatctc cttggctaaa ttacatata tgcatactca 180
aagcattttg gggtagcaaa aattgcacat gtgcacatct tggatttctt aatacctata 240
catacaciaa cttcatgatg aatcttgact atctacacia taagggtgcta cattccatgc 300
tcttttcaag tttttgctac ctaaagccgc atgcaaattc aagtatatct tcttttgctg 360
actaanattg cattcaaatt aaaggggtata catttctctt gtgatgtatn tactttacat 420
aacatg 426

<210> 24656
<211> 313
<212> DNA
<213> Glycine max
<400> 24656

agtttttagc caaatggact taccttgaat taattccttt gatagccctt ttaagccttg 60
tttccccttc cttgttttga agctcactac aagccttaaa tgaaaaacca tgatatcacc 120
atatctttta ggaatttttg agctttggaa ttgttatggg aataagtgtg gggggggttt 180

ttttgttaca ttggataact tgttttgttg gctatgcttc gtgatgtatt tcggggccata 240
 cttgatgtac attggatatt gggttaaagt tggacatgct gaatgaaatg tagtttctca 300
 taggttatat tct 313

<210> 24657
 <211> 528
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24657

tcacaacgca cgcataatga ccgaacatgt taataaagta atantaaaaa aaaagagann 60
 nanttgancc ttgatgctc gatcacacag gcgaaacaag ctcggaacccg tagatcctac 120
 acaggcgacc tgcaggtatg caagtttgat aacattggac tgagcaaact ccgtgatgaa 180
 atgggaatct atgacaatga gcttggaccg gacatggagg gaagggacgc tggcaaagct 240
 tatagtagat ttattatcac aaagcaacag cccacacggc acatcaaccc ccaagagaag 300
 aagcatctgc tataaccaa caactacact agcatgaaca tagctggccc aatcaacatc 360
 acaagaggat atgaccccg gagagtcttg aggtgggaaa aatacacctc gggtagcagc 420
 ataatagaga tatgcggacg atgaggacaa catgcagcga ggactctacg tccttatata 480
 tgacgcaccg gatcaaaca ggtgactcag gacgaaaagg ggaatacg 528

<210> 24658
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 24658

agtttgtgaa tcaagtttgc tctggacgac catgcactat ttttttcttt tatttattag 60
 taatgataag gaacctaa tgcaggttga ggtggcgac attgcacaag atctcagaga 120
 cataagacac taattctttt cctttatttg tagaaaaagt caaatttgag gatctaacca 180
 atatgtgata tgtttctata aatacagatg aataaaaatt aacgcattta tgtagattcc 240
 agttagtagt tatactagct actggcaccg aatgacataa agaaaaagga attatctaga 300
 agaccattct atattgggta gcgaattttg aatccctgca ttgttgcttg cttgttcaca 360
 caacatgatg ttctccagct ggactgttgg cattattt 398

<210> 24659
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 24659

tggcaagcca gagtctcttc ggctggctct ttgcttggtc ataatcagct gccggaataa 60
 gtaggcacca ccattcaata ccattataga gaatcaaata atatatatat catcagaata 120
 aaattaaata ttttctattg ataggaattg tatataagca ttaagaaatt tataagactt 180
 ccgcaccata cttaactaag ttataagaaa acctattgga tgcttttttt ttggtgatag 240
 gaaatcggat gttgaagttt aaatgaaaaa aagtaaaact ttctcatatt attgggttagg 300
 aacattaatg gtgtaaattt taataaatta cgacatacaa caacataaat aataaaaaac 360
 acttgtaaaa ttatatcata cgctgagata atcaaattcg ttgagataac taaaaaaaca 420
 tagatt 426

<210> 24660
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24660

agtttggttaa ttagcactat tagatgcaaa ttcaatttgg ggtgggtgtc atgacaggat 60
 aatttccttt gccaatatag ataattacat actaattact attagttaag ctgagagagt 120
 acatagcttc gtgtggctta ttaagatcta gggtatactc tagctatggt attctagaat 180
 ctgtctattg ccaaggcaag agcaaaacct ttacgttatc aaaactacta attggacttg 240
 tcatgcacaa ttttcttttc aataattttc atttgcactt atacattaca attgagagaa 300
 gttcgtgctc tttaaaatga catataagag ataaagatct actggtgaag aattcttgtg 360
 atgtaaaata tggatataac a 381

<210> 24661
 <211> 250
 <212> DNA
 <213> Glycine max

<400> 24661

atcgtattca ctctctaat gggcacaac tgaatcaatg tgacctttca gatatttagc 60
 agtttgagct acttggttcg tgtggctacc aattgcatca agaaaatcat gaatctgtct 120
 tgagccatgt aatatatgtt ctgattttctc ttgagtgtta ttttaacttgt cctcaacata 180
 ttgggctgaa ttttttaatt cagtcacaag tctgtcagat tcatattaga atgcttgccg 240
 cctgtgtata 250

<210> 24662
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24662

agcttttagt gttaagcaaa tatacatgaa tgatttttaa caatatatct ctaacagtaa 60
 taaaaacttc gtacccatt gccagatgc tcttcgtat gcgaaggat gggggaggga 120
 cgtaacagta atgaagcaag aaaaaaaaaa ggcattgtacg gacagagaaa tataacgatg 180
 aaaggaaaaa ggagggggaa tccagaagaa tataaatatt tacatcctag aaaatctggn 240
 tgtgcagttc caattgaact gggatcataa ttagaaatta aattgtaatc actaatccaa 300
 attgacacta cattatatta gagctcacat atttcacagg tcaatganaa aataacatgg 360
 ataatcaaac aattc 375

<210> 24663
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24663

tcaccttgct tgcaaggaat gtgtgattct tccagggttg tctctttaat ttcttctttt 60
 tctcttcta tttctttgta acacatgact ctgtttgcat tagttgccag acaatgtgat 120
 ttttcatttt cataaaattg ctatttacta tttttattta gttatatgct attattgggc 180
 ttactgaaca aagaaatata tataactaaca attaatgcca aggataatcc aactgaaaaa 240
 gttttccaga gtgacatgac actgatgggt tggactttgg agtatcatcc aaaacctca 300
 ataaaagcct tagctatatt ttttcgttca ctttctggac tctaaaatnt tgttacaat 360

aaggaaatca gtttaatttca atatttntaa aatcagaaca ataataaaaag aagtga 416

<210> 24664
<211> 403
<212> DNA
<213> Glycine max

<400> 24664

agtttgtctt gttcagaatt aggatacaga gggcacaaaa tttttaacaa caattccaaa 60
gcacaccata atgcctatct ttcgaggaaa gagctttgga ggcagcaaga ggagcagctt 120
ttgcagagag acctagggtt tgtaattaga gagagattag tgagttgtag aataattgtg 180
agatgctgag aagaggagta gggatccctc ttcttggtta aggaataatt attctatact 240
cttaatctca tttgtggttag gggttttctg tatggctggc taaacactct tggtgggaat 300
ttctatggaa cagctgatgt aattacttta atatctaatt gattgtgttt cctatgttca 360
atgcttcttt caatgcttaa tttctacatg ctcttgggtct gat 403

<210> 24665
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24665

taactcatcc aaacatggca agttcaacat gctttttcaa atttcttcac aaataactat 60
catgaagcag aaaactagca aaactaccca tcatatctcc caaaaccca taccacgaa 120
aatcaagaga gaaagaagtc caccacaaacc tgaaatttcg aagtcccaca cgtagagaca 180
cgtttcacga ctccgaaaat gtccctcctt cgcaatttgg agcagaaaatg ggcaccaaag 240
gttgaagctt tggtgggcaa caatggtgga tgagagaaaa gaagaagaaa gctgcgtgag 300
agagagggag agcttctgaa ttttcttttg gctgagtgag gagagagaac aacttttggg 360
tntaaaaaaa agttttctct tttcctatta ttttatntaa gctatgccat gtgtctccat 420
ttgagtggag caaa 434

<210> 24666
<211> 406
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24666

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cagagacaac atttgttcaa ttgcagaaag tcatgacttc agtccagtg ttagctcttc 120
ctaatttcca gctgcccttc attctggaaa ctaatgcttc cgacactggg attggagtag 180
tattacatca gaatggccat ccaatagcat ttttttccaa gaaacttgca cctagagtgc 240
aaaagatatc tgactaattt agagagatgt tagcaattgt tgaagctata gctaagttca 300
gacactactt gctgggacac aaatttatta tcaaaactga tcaaaattag tcagatgatg 360
atgttgatgg atggaacaac cnctacagac acctgaacaa caacag 406

<210> 24667

<211> 411

<212> DNA

<213> Glycine max

<400> 24667

tgtgagacct tccgctacaa tgttgaagag aaaagggtgca aggtgatcac cttgccttag 60
acctctctta ggagtaaact ccttagatgg actcccatta attaaaatgg atatagttgc 120
agtattttaga caaccattta ttcatttctt ccagctttca caaaatccca tccttttaag 180
catgtagtca agaaaacccc aagaaaccga gtcatatgcg ttttcaaagt cggctgtgaa 240
gaccatgcaa ggtttacttc tagatttggc ctcagctata gtctcattgg caattaaaac 300
accatgaaga atgtgtctcc ccttcataaa agctgtgtgc ctttcatcta taagggtgagg 360
taatacagca gccagcctct tggccaaaac tcttgccata atttatagac a 411

<210> 24668

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24668

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gttgattttc caccatggag atgcagcgga agacaaagga aaagaggtga gaggaggcgc 120

caaccactag ggaataagcc atggaagaag gagcttcacc accaagatga gccttggata 180
 ataagcttgg agaggatgct tcaatagagg aaaagaaaga aggagagaaa gagagagggg 240
 ggatcatgaa attgaaggaa gaaaaaggga gagaatttga actttgagtt gtgtctcaca 300
 agactctcat tcatcanagt tacaacaagt gttacacatg ctcttattta tagactangt 360
 agcttccttg agaagttttc atgagaaaac ttccttgaga agc 403

<210> 24669
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 24669

tgaggataag aatcctgggtg caccaaacaa tcattgtagc aagtcaaag tgaagaaaca 60
 acattgacaa ctgaagaaaa gaacacaaaa aacaagaaaa taagggagga aagaagaacc 120
 tcctcttctc ttagtttaac cttttgggtt ttctacttca tagtcatagc tgagccatgc 180
 attagcgccc cctaacacac ttatactcta gggctaaaat gggttcaacc attttggttct 240
 ttctgtaagt gaaggggtcag tggtaaccta tgggttcaaa acaaggctag ataggggttaa 300
 cccttaagcc aaaaccacac tcgacaactc tacataaaaa gagccaacat atatgagaaa 360
 taagaacacc taagcaaag taccagctga gcaacacacg aataaaa 407

<210> 24670
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24670

agtttgaaca atcttagaga gctgctagag acactgctat cactactgga atacacacgc 60
 gatcccactt agagataaga gatgagttta ttgcaattga ggtagagtg aatatgtgta 120
 gggatcctta gagaatcaaa ttgggaataa ttttggggcg ttatatgcgt ttttaattttt 180
 catgtacaat tataactaca aattgactgt atttgacaga tcgattgacg tcccgatgcc 240
 gaaattgttg tgaaattgat atgttcttgt gttgagtgtg aacccgagaa attggaaatt 300
 ttctaattag cgtgaattga tgaaattaaa taaggaaaga tttcccataa gagtgagata 360
 ttgattctgt atttttccct tttcgtgc 388

<210> 24671
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 24671

tattcaacgg acctctagtc actcaatctg ccaacctaaa caccatccc taacgtgttt 60
 attatgaaag taatttttagg aaagctcatt ctttttttgtt ttaattaaac cgtggagggt 120
 atagacaggt taaataagtt tcaatagtcc atttagtttt ttgaaatata tgaattcttt 180
 caactacgga attgaatgct agctcctgca cctatgtact ttgttactca tagaaaacat 240
 tgttctatat tcttctggta aattctgttg gtatgtagta ttttgtatct gtctgattgc 300
 ttacctctg ttttgttcat atacagggac ttgagaagta tgttctgaca aagttatttg 360
 ttcgtgtatt tgcttcactt ccagatgtat ttgctcttg 399

<210> 24672
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24672

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 tttcgtctct taagctttct ttttaagaaa atggtagtta gggcattaaa tgtgtgcatt 120
 taatgcatgc acttcttcat gttgagaaac cactcttcgt ccttggcatg ttgaacacta 180
 catcaggaaa ctacttcctt ttacgttaga gtaggtttgt gcagtagaac ttttcttttg 240
 atggcgatta aggaatttta gaacttggct tcattcatta ttcataagat tcaacaggtc 300
 ctaggagaat gtatttgcaa aatagatctc agacacaaaa tattaaataa agccttaaat 360
 gtcagtttta atgtcgtatc ngatcatgat tctatctt 398

<210> 24673
 <211> 184
 <212> DNA
 <213> Glycine max

<400> 24673

tctgaaaaga gtatgatgaa ctaatggatg tcaatttggc caccaatgaa gccttggatt 60

gagaaacca caaggctcta aatgaagaac acaaccataa caaagttttg aggggcttta 120
tagggcagca attgtgagct catactccaa ataggtgaaa ggaatcatca cgggtcaaag 180
gcat 184

<210> 24674
<211> 392
<212> DNA
<213> Glycine max

<400> 24674

agcttgagtg agccaccata gaggtagtca attttggtta cacatccttg taaccctact 60
atcattttgt atagtgggaag aatctccata ttggagaatt ataattgtgt gctcccatta 120
ttatctttta ttactaagtg tctatcttaa cttcacgaag cgggaaagtc caagtttttc 180
caacactttt tactagtgc ggtacaatga gaagtcacat acacaatata ttaaatactt 240
ggtaggggttg gttctaagga agacactaat tgtacatcta gagttgttcg agcatcactc 300
attatttcaa ctcgttcaca aagagcgaca tcagtgtaat aagagctgag gtgtcagtcg 360
ttgctgacac accattagta ttaataataa ta 392

<210> 24675
<211> 427
<212> DNA
<213> Glycine max

<400> 24675

tgagctcggc ttgagttgaa tacgtaattc ttgagctcgg cttgagttga atacgtaaag 60
cttgagttga cataggcttt ttttaaggct ctgctcgact tacataaaag tctgacttac 120
gagcctatctt aaaagcttgc ttaaagacgt cttttattaa ttaattattt taaaacctag 180
tgaaatacta actaaaaaaaa gaaacttata aaatttcgta taaataatgt acaaactctaa 240
aaataattga taaacaaaat tatattgaat tcaagtcggt aaagcacaaa gtatataaaa 300
aaaataaaaa tagcataata ttaaaaaatg tatggattag agatgattta cactaatata 360
gccaaacaaa aattattatt agttaaatta acaattttta atccaatttt tttaatatat 420
aattata 427

<210> 24676
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24676

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 taaatatttc atatatcatc atttttatat ttttattatt ttaaaaatga ccataatatt 120
 tttatgtaaa ttaaactagt tttctaggtt ttttaaccata atatatgtat ttttcaaac 180
 ttccatttca aagaaaataa tattttattat ttttaagttca aaactcaaag aggaaaaaat 240
 gcatgcaaac aaattcaaatt aataagtatt ggctaaaata tttttattat gaaattaaat 300
 tttttaagga taaataattt cattntttgg aatatttgat attttgattt ttatttgatc 360
 cttanaagta acattgtaac aataaaataa tattttttca 399

<210> 24677
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 24677

tggagaggat gcttcaatgg aggaaaagaa agagggatag atagagagaa ggggggagca 60
 cgaaattgaa ggaataaaaag agggagagaa gtggaacttt gaagtgtgtc tcataagact 120
 tttattcatc aaagttacaa caagtgttac acatgcttct atttatagac taggtagctt 180
 ccttgagaag ctttcttaag aaaacttctt tgagaagctt ctttgagaaa acttccttgg 240
 gaagctagag cttagctaca cacaccctc tcataactaa gcacacctcc ttgagaagat 300
 tactaaagaa gctagagctt agctacacac acctttctaa tagctaagct cacctccttg 360
 agatgagaag ctagagttta gctacacacc cctataatag ctaagctcac cctatttcaa 420
 aataca 426

<210> 24678
 <211> 512
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24678

gatgagannn tttgaagcct tgattgattt gatatagcaa cgtgcaagta cagctcggaa 60
cctgtggatc ctatcgagtc gacctgcaat tatgcaatgt gtctcgactg ttttacaagt 120
gaagagaact acaggttaca ttaattcctt gacatatgaa tctcggacgc tagtcgctga 180
agctatatgc attatagagc gtcgagattc tgaagacgca cttgacagcc tcacttaact 240
tactaatgaa tagataacat atcgaaatct tcttttactg acaagctcgt aacagaacag 300
ggaggtagcc aagactcgcg atttttgtac cacatatgca atatgcggaac taattttctca 360
tattgatatt cgagtctgct caaataatgt cagagttctc tgttctactgc aaaacttagg 420
tagctgctat gtctagatga aacgggggatg ttgcatagct taatttgcca ctgatccaat 480
ttcatgtact ggtggacggg ctgaaatcca cg 512

<210> 24679
<211> 388
<212> DNA
<213> Glycine max

<400> 24679

agtctttgac agaaaaaatg gcttggtgcc agaaaaaacc catatggatt gatgatttgt 60
atgggttcata cagattacca atccgtatgg gttttattta ctttataaaa ttattttaaa 120
ttttttttcc ttttattttt ggtaaaaaaa aatttagtta ttattaaaaa taattattgt 180
tattattaaa aaaatttagt tattattaat tttttttaa agttttattt gtgttgtggc 240
catacgaatc actaatctgt atgggtatttt tttaaatttt tttattaatt caaatgata 300
aactgaaatt tttttttaa atttccatat ggatcactga tccgtattgg tattttttaa 360
attaaaaatt agaaactaga aattatgt 388

<210> 24680
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24680

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tcaggaaact ccctgtgtgt tgtaagtgt gtggatgat aatatagggt tagtggtcaa 120

gtagataggg gatgggtgaa tgctctccta gaacctatgt gtttgaatcc tgagaaaaac 180
catgatttcc ttgttagccc agccacgtta caagccttat aaaaatatag tccttagtga 240
tccattttgt gtgcacgcta ttgtgttgaa tgagattatg tgcaaattca aaaatggtaa 300
cttcaattgg tttgaatgaa atacacataa ctgaaacact tgtgtgcttg agagaaacac 360
tagccttggtg aggagtgaag cacggttgat cttctttgat tcctgtcata cttg 414

<210> 24681
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24681

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atatatccag aactcgaata ttcaataccg aagctctgag caaattcaaa cgacaataag 120
tttttactcg tatgttcgat tgagtcccg aatatatcga aacgctcgaa attgaagacc 180
gaagctctaa gtaaattcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240
taatattctg agacgcgcgg acttgaatgt cgaagctctg agcaaattca aacgacaata 300
actnttttcc tcggatgtcg tattgagtcg cgtaatatat cgagacactc gaaattgaat 360
atcgaagctc tgagcaaatt caaatgac 388

<210> 24682
<211> 408
<212> DNA
<213> Glycine max

<400> 24682

tcaacattca atatcgagcg tttcgatata ttactggact gaatcagaca tcagagtaaa 60
aagttattgt cgtttgaatt atctcagagc ttcggtattc cagtccgagc gtctcgatat 120
attacggcgc tcaatcagac aaccgagtaa aaaagttatt gtcgtttgaa tttgctcaag 180
gcttcggtaa tcaatttcga gcgtctcaat atattacgga actcagtcag acaaccgagt 240
aacaatttat tgtagtttga agttgctcag agcttcggca ttcaagtcct agcgtctcga 300
tatactacgg gactcaatca gacatccgag caaaaagtta ttgtcgtttg aatttgctca 360
gagcttaggc attcaatatc gagcgtttcg atatattacg ggactgaa 408

<210> 24683
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 24683

agtttgtaac tttctcaaaa ctctcaaca ttgccttaat gaccctcaca ttttgattg 60
 atgcttcacc aaagaaaatg gtatgatctg catatcacag gataactaatt tccactgagc 120
 ttcttccac caagaggcct ttaaactgat tttttttaga gcttctctca ttagaccgt 180
 taatccctca gccacaatat tgaacaggag tggggctaac agatcccctt atctaagtcc 240
 cttttgaggg aaaaattcag ctaaaggact cttattgatc aatatggaga caaagctga 300
 tctaagacat cctttgacct aagtaatcca cttagggtag aatcccatcc tctaagcat 360
 atataccaga taatcctcac taactgaatc atgtgccttc tcatag 406

<210> 24684
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 24684

tagcgcacac ctatgcgcta atccaaaaga cactgttatc ctatttgccg gcttactgtg 60
 ctccctgcgc taagccctaa tgcccttcat atttgtggtg tagcaagctt ggtgcgtgag 120
 gcgcgctaag ccaactcata aataaatgtt gttacaccta ggcttagcat gcacgctcgt 180
 gctaagcagc tattccccctg ggcaagtttg ttgattgcct gggctaaaca tttctcatgc 240
 gctaagccca aaaacggcat tgtcaaaacta ttgtcactta ttgggctttg cgcgttctac 300
 gcactaagcc ctaacaattt aaggctttat aacttttgat ttgggc 346

<210> 24685
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 24685

agcttaacat tcaagaattt ctttgatctt ttgtgttctt cacattccac ccaaagatta 60
 tgtttgctca ttatgaggtc ttcataatgc ttgtctgctt gtgcacattc tctctgtaga 120

tcatgtcttt cttctttttc ataatcatga agttcattaa gctctgtcag atccttttga 180
 agatctttca gtttgcttta caagtcttga aagttcttta gtagattttt ccttggcaat 240
 tatctcatte tcaagacata gcttggactc tttttcctta agagttccac aggctttaca 300
 tgtctgagtg gactcatctg gtgaaacatc tacttgggtct tgaagggttc tctcaagttt 360
 aaaatgatct ttgaatagtt tttttgaaat cttttcac 398

<210> 24686
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24686

ntgatttcct ttgtttcgga aacctttctt ttctcatgtg cactcaaact taatctccgg 60
 gttcgaagac aacctttctt ctccctttgt tggcttgttt agcatagctt ttatttttcc 120
 tctcaatttg atctttgact ctctcatgaa gcttcttcac atagtccgcc ttgcttgac 180
 cttctttatg cttaaaaaca gaaacattag gcataggcaa aagatcaaga ggagttagt 240
 ggttaaaacc ataaacaact tcaaaaggag aacaattagg ggtgctatga acagctctat 300
 tgtaagcaaa ttcaacatgg ggtaaacaag cttcccaagt ttttaagttc ttctcaaaa 360
 ctgtcctaag caaagtttcc aaagtcctat taacaacttc tgtttgccca tcggtttggtg 420
 ggtgacaagt gg 432

<210> 24687
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24687

agtttgaaat ttttaagcac gtttgtttaa tcatgatagg gtatggattg gttgttatct 60
 cctagcccaa cgccccttag tatgggtggt tcatgactca tgaatgaaaa gggggaaaaa 120
 ttacttttcc tatttataaa agttaatata tgtgttttct atttaaatat ttttgagata 180
 aatagcaaat acatttatga aattacctt tcaagttaag tcttattcaa cttaaagttt 240
 aaatccatgc taattttggt ttaaaaagtt caccgagacta tacaccttta cagcattttt 300

agcataacat gtagaaatat ttgccaatta gtaatatattc tattatttta aaagatagta 360
atattntaaa aatacttnaa agtgtcaaata tattaattag taaag 405

<210> 24688
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24688

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ctaaacgatg agaatgtgat gagaatgtgc gaaaatgatt tttgaactcg atgttcaaata 120
ttcacaaatga tccaacgggc aatgagtcctg taatcatagt tttattgaga caaatttggg 180
tgtatacgaa aaaaaataag attttgggaa agaaagaatg aagaacattt gagagaaaga 240
gaaagcgtat agatgtattg taaatgtaaa aagtgcactg atatgtctct atgtatagtt 300
aggttattct caacctatta tatactctat gtgctctatt ctattatttt ataagaatga 360
attntgattt tactccctat caaataaata aataaaatat catcttctat tttctaagaa 420
tatatatatt 428

<210> 24689
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24689

agcttcagaa acaaattcct attagccact gccttcaact tgcagaagcc cactgaggtc 60
tgctgatgga gtagctcat gcatttaggt accatcaaaa tatttaaagg taacgggcaa 120
gaaaaaataa tagcaactgt gtgtacattc tctcaagcct tctgaaatgc gcgggaagaa 180
accccatgca gaagcctgac aaatcccaag aaactaagct ttccatctga gtgccttatc 240
caatcctgaa gtactacatg aacagggtact gatggactaa gcccaagttc ctgaaacgtg 300
tcaattgtaa agagctcagt accattatac atgtgatgaa ggattatact atatgcatct 360
gatagaaaat ctcatagag gtatatctat catgtngata aaat 404

<210> 24690
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24690

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ctcctatgca aaaacatcaa cagtgccgct gaacctgtct ttgtttctct gttcattcta 60
tcacaaagac ttaatcctca tgacagagaa gcttaagggg aaagttccct tgaggttggt 120
gaaggccaag tgcaaaacgt gcaagccaga gataatattg aagaaatccg ggaggggagg 180
agcctatgat gttggcagag ttggcggaga agttctgaag tttggaagct tctcagagag 240
tataaggaat ctcccaagcc tgatttttct gccctgaaag atttgcaagt tttgagcttg 300
agtcttaaca aactcactgg tccagttcca gcttctttgt tgggtctttt gtggctcaaa 360
gttgtgaatn tgaccagtaa cttgtttcac gggccaatgt ctgtgtttgc tcattgngtc 420
gaggtggata atgccccct 438
```

<210> 24691
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24691

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agtggggcaa gcacttcaca ccttccttgc ttggccgaca tatctggtca agtctttatc 60
acaacaggta ctttactctt agtatatggt tcttcttttt aaattaattt atgcagcgtg 120
cctcaaataa ggccatttaa ctttgtttca tgaatagata gttgtgtctc tgccaaaacc 180
acctccaaag cccgatcagg aggtcaatga tccactttat ctaatgacat tgaccatccc 240
agagcttttc ttgaggcctt atcaggttac atgggatgcc accgtgtttg gggctctttaa 300
tccaaatttc tcgtcttaca taaaacacan agacctctcc ggaatcgcat acgggtggtca 360
atgtctcagc atatcaggga ccagctagag gagt 394
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<210> 24692
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 24692

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attgaactga agaccatgac cgtgtaggt ctatttctag aactcgtggt taggctaagg 120
accttttttg gtttctggtg caaggattgg cgaagtgggt gtcacctgag gtacatttga 180
ctggtagtac gtggtctttg tggtcagctg aggtacattt cacctgaggt acaatctcgc 240
cggcattgtc gctggtgtgt tcgaggtaag cttcatgtct tcattgtaac tttgtgcttc 300
cgcgtacgtg gtctttgtgc tctttgttct tatagattgt tagttagttt cttaattagt 360
tactactact agctaggggt tggaatgcan gtagtcttgc tcggaaagct gtataaaaat 420
a 421

<210> 24693

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24693

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ccttctcaga ttagcttttg ttggtagttt gtctctgatg agtcgccatg caaagattga 120
tgcttttgct gggattttta gcttccatag gtccaccaat gcctcatcca aagtctcctc 180
tgctgtttct tcttgagca ggtgataagc actccttgta aagtaatggc cactgggttc 240
tggttttcat atccagcagt ctgttatttg ttgatggttt ggctcccat ttgctgaatg 300
actctttgtt gttgacagga tatttgggtac aacctgggat attntgtcat tagtgcttcc 360
cctcctccag tccatcgatc ctactcaac atatttg 397

<210> 24694

<211> 397

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24694

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agtgattctg aagttaaaac tgatcagcaa agcatggagt caactgacag taatgggaaa 120

acaggtgcag attttggaca tatgccagaa aaatggaaag gagtcaaaag acagattgag 180
aaggtatttg cttttgatat ttcattccgta ttgctcttaa tactgtgata ttattggtat 240
gacactttta acaagtttct tcttagtagt ctattatcat tgcttgtttg tgcaggatct 300
gcctcgaaca tttcctgggc atcctgcttt ggacgaggat ggtagatatg ctttgagacg 360
attacttact gcataatgct gacataaccc ctcagtt 397

<210> 24695
<211> 399
<212> DNA
<213> Glycine max

<400> 24695

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atgtacgtta tatacttggt ataggaacct tataattcta agtatatata gttgtagtat 120
ggagttctgc ctttaattgca taggtagtagt ggttggttgg gatttcttgg tcttagtgat 180
gctaatactc tatagttgga tgactcatat caagttatat ttcataagga atactctttt 240
gatcgtagct tctaattcta gtgcaacctt tttttttttg tgttgcggtgc ttaagtcaaa 300
taaattgagt tcaattgaaa gctaagtagt aattaattct atgttatgag actacatcac 360
acaattggat cactgatggt tctatcacia tcaagtgat 399

<210> 24696
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24696

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ctttggatag ccctctatta gcattggtca gaatatcagc cagttgatct atggcaggaa 120
catgaacaac attgagttgt ttggtgagaa gtttctctca cacaaaaaat aaatccagct 180
ccatagctt ggtttttgag tgaaaaacag gattatgagc taatgaaaca attctggtgt 240
tgtcacacaa aataatagga gtagtgtgag ctacttgagg ttcagaaaga agagactgaa 300
tccaagtaac ttctgctgca atacgagcca tgcttctata ntttgctca atactcgacc 360
ttgcaacaac tgattgcttc ttagaccacc aagagatgag tttatgtcca agaaaaat 418

<210> 24697
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24697

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 tcaagggtttg agaagtgaaa ttgagaatgg gataaatttg aagcaaactc tcacctcaca 120
 ccagtctata acatcaatth aaacttggtc aaactggatt tacacctaaa attttgccgg 180
 atcaaaaattt gactcctcaa cacctaaatt taccctagaa atggctcttg ttcactttgg 240
 tcattttgtt ttctctctag cacaacccan actttctcat aagtcctaaa tgtcatttca 300
 agctaggatc aactcactct aacctccaaa taccactaaa tccagatttg accttccaac 360
 tctcagagtc tcaactcttn tccactcaca acaccatact 400

<210> 24698
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24698

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 gttgacttaa ttaacatcgg ttttttcaaa acccgatgtt aacattgatt tcttaatat 120
 ggttttgaaa aattgatgtt aacatcaagt agttaacatc ggatattgaa acaccgatgt 180
 taactttaga aagttaacat cggtttttaa aagaaccgat gttaacattg acatgttaac 240
 attggttttg tttaagaaac cgattttgtc tcattcataa gttaaaaccc caaaatccat 300
 tcccccccat gcgatcagtt accaaaatcc tttctccctt tcttcctcat cgctcacgct 360
 cgaaagacct atgtgtcctc ctcaactcaag ctgccgctga ggttcgtgtt caggttcgca 420
 ctggct 426

<210> 24699
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 24699

agtctttaat gttgatgata tatacactct tgtgaataaa ttttataatt taatttttag 60
tgaacaagag aagattagtt taaaatttca acttcaacat tttattgtgg ttactcctac 120
taatcagatt taaagaactt gtccacaatg cttgaattgt gtcaattatt gagacctcct 180
tcaagctacc attgcactac attttttttc taattataca aaatagcttt aaaaaactac 240
ttattttctaa aaaatctgcc acaaaacatg tccaaaaaaa acatactgat gactgaacgt 300
cttgaggcac agatcgataa cacagcatgc aagcgaaaca ccaaccttca tcagtaacca 360
agtggcaaaa attagtttct cttgttcgct tatatt 395

<210> 24700

<211> 315

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24700

taagaaattg ggcctggagt tggagcgggtg atgattttcc ggtgtgtcgc ggcgacgggtg 60
gaagttacgg tggcatccac acgcggcgca cgttagcgag cgcggttcgt tggggttgga 120
gaaagaggag ggcataaact caccgcaccc atcaagcgcg tggccaccaa tgctggctgc 180
atggtttttg aggcactctt tgtaggcaac cgccgtagac ggtggctgnt gcggcggtga 240
cacggtgggtg ggggtggtgat ggtgatggtc cttgaggag cgttggtgg tgaaagggtg 300
tggtggggta tcgac 315

<210> 24701

<211> 380

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24701

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tgtgccatca ttttcttcta ttttctatac ctttttagca ccattttaat tactaattgg 120
tcttaattgt caattaatta ggcagtttta ttatttgggc tcatttagct aattagatgt 180
ttttaatcta atttcaggaa ttaatgaaac attggactta atccggattt tggttgtgga 240

cttgaagagg gcaaataaag cagcactaac cttagttaat ttctaattag gaaatttcgc 300
aatntatatt tatgtggttt agtggttatt ccgttttggg ccagagtatt gtaatatggc 360
ttagtgactn tgagtgactc 380

<210> 24702
<211> 410
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24702

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tgagtgagag tcttgtgaga cataacttcaa aggtccaactt ttctccctct tttattcctt 120
caatttcgtg ctccccctc tctctttctc tccctctttc ttttctcca ttgaagcatc 180
cttccaagct tcttatccaa ggctcatctt ggtggtgaag ctcttcttc catggcttat 240
tccctagtgg atggcgctc ctctcacctc gtttccttg tcttccgtg catctccatg 300
gtggaaaatc accattaaag gacttcattg aaactcanag atccagctc catagaagcc 360
ccacaagcaa gcttccatca tctctctct tctcttggtg cctccacac 410

<210> 24703
<211> 387
<212> DNA
<213> Glycine max
<400> 24703

agcttcttag tctcggttga tgaagatgaa ttcattggcta ctcatgcac tctctaattg 60
acaatagcat cactcctggc actaaattgc tgggagtttg aagccatctt ctgaattaaa 120
tttctggctt cagcaggggt catgtctcca agggctccac cattggcagc atctatcata 180
cttctctcca tgttactgag tcttccaaa aaatattgga ggagaaactg ctcagaaatt 240
tggtggtgag ggcaaatagc acataatttt ttaaattctt cccagtattc atataggctc 300
tctcctctac gctgcctaatt gctgagata tcttttctga tgaatgtggt cctggaagca 360
gggaacaatt tttctaagaa tactctc 387

<210> 24704

<211> 421
 <212> DNA
 <213> Glycine max

<400> 24704

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ttcaacaaga gtcttcacaa ataactatca tgaagcagaa aactaacaaa gctacccatc   60
atatctccca aaaccccata cccacgaaaa tcaagggaga aagaagtcca cccaaacctg  120
aaatttcaaa gtcccaactcg tagacacgca cttcacgacc cggaaaatgc cctcctttcg  180
caatttgggg cagaaatgat ggccaaaggt tgaagctttg tttggagctt caatggtgga  240
tgaagaagag agaaagctac gtgagagagg gaaagaaaag gcttctgaat ttctttcttt  300
tggctgagtg aggagagaga acagcttttt gggttttaaaa taaatgggtt ttctcttttt  360
ctattatttt attcaagctc tgccatatgt ccctatttga gtggagcaaa agggcccact  420
t                                                                 421
  
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<210> 24705
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24705

```

agttttctct gtaccttgaa caagcaatca actcctcttt cagaaccatg ctatgtgctc   60
gcgactgggc cctttcttcc ctttgcaact tgagttcact attgctaccc catagagctc  120
cgcgaaattt gttccggcca tactcttctt tgcgagccct cttgggtctct tgttcaaggg  180
ctcttgcggt aattgcattc tcttcccgta acccggcgca ctcttccga acgtgtgtag  240
cagccaactt gaacttctcc ttggcgagtt ntgcctttcc taactcgctt ttgagagctt  300
ggacttcttc gtctcttcc ggtgcttcaa aattctcttc gctgacgact tttaacttgg  360
cgagccaatc taaacctcgt atgcgaactt tcagccattc gt                                                                 402
  
```

<210> 24706
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24706

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 cccttccatg ccacaacctg gagcaattga gcagcctgga acttatgctg caaatatgta 180
 caatagacct tctcaacctc agcagcaaaa tcaaccacat gagagcaagt atgacctttc 240
 cagcaacaga tacaacctg gatggaggaa tcacctagc cttagatggt ccagccctca 300
 gcaacaacaa caacagcctg ctcttctctt acaaaatgct gctggcccaa gcagaccata 360
 cattcctnca ccaatccaac aacagcaaca acctcagaaa cagccaacag ttgatgcccc 420
 tccac 425

<210> 24707
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24707

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 gttactgctt catgggcctc tgggtgcctgt tctgccttgc taacatagct tgtaacatga 120
 gaaaattgac ccatctcaat gctgaccaga attgcaactca tacacatatg aataatgtgc 180
 tttgatgtag tgcaataatc ccgagtacgg acataacttt taaaagcgtc cccaattga 240
 ccatgagcat agtaaaagtc tccaaaatca ttgaatcca tcctaagtct ttccttaatc 300
 aagtttgtct gcaaaaaata aatgcgatga acaaattgac aggataagga atcaatgata 360
 nattacgaaa aaacaggtct taccaaaata ctctcat 398

<210> 24708
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 24708

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 ctatcaaaga tgtaatgtag caatttatga acttgctagc tgtaaggaag cactaaaaga 120
 tccaaaatgg aaaattgcaa tggaggaaga gatgtctatg atacacaaaa gaaaaacatt 180
 ggagctggtt gaaaggcctg aagatagaaa aatcattaga gttaaatgga ttttccgaac 240

aaagctcaat gcagattcct cagtcaacaa acacaaagtg agacttgtgg ttaaagggta 300
 tgtacaaact tttgggtattg attattctga tacttttgca cctgtgtcca gattagatac 360
 aattcgattg gtgttaatag tggcttcaca aaagggttgg aaagtcttcc aattagatgt 420
 caaattagct ttt 433

<210> 24709
 <211> 397
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24709

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 ctaaaattag ttagtggaca tgggaaaagg ttgaaaatct tggcttttta atttttaaag 120
 gctgtatgct aggtagtgcac tagggatggc tgtggacagc aactttatcg tttaaacgat 180
 agcaaggaaa aatatgaaaa tgaatgatat aaaaaaacat gtatctgaca ttatacacia 240
 aagtagttgg cactgtatta acaaaagata tctaacccta acctaggggt tcagtgcctc 300
 ctacaacttt tgaatgctnt catcttgtct tgaatccttt tgtccctcct ttgaatcttg 360
 ccgatctttt tttcaatctt gtccttgagc tcttggga 397

<210> 24710
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24710

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 tgcattgatg tttgtcaagt atccaacagt ggaaagaatt gatccatgaa gtttattacc 120
 actgagttga agtgttctca aattatccaa gtctcctatg gaagatggga ttgaccaga 180
 naaatcattt tttagcaatt tgattattgt gagagaatga agtcttccca actcctcagg 240
 aatagggcct gagagaatgt ttttaagatg ataagttgtt ccaaatttgt caagtttcta 300
 atagttgaag ggattgcacc aaagagattg ttggatgaca catcaagttt aacaagattt 360
 gtcaacatac caaatgttgg cgggatgaaa ccattacaaa gattatgatc cattttcaa 419

<210> 24711
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24711

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 tggctgcatc taacttccta acagcccttt tcaccattaa gcataatcaa ccctgcaata 120
 gcttccctcc ccaagctcta cttccacttc tctttcactg atttcagatt cactgggtgat 180
 ttctccatt gccttcatga tcatggttct cctggttggg catttagaag caatatgtcc 240
 tctgcctaag catcttatgt ttttgggtacc atttgtggac gaggcagaat tatgtttgag 300
 ttcagcactg gacacttgtg actttccatg tggagacgct actaatggac tggac 355

<210> 24712
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 24712

cttgaacaac tatctggaaa ggtcataccc cgaacatgtt actcttctta tttgaagttt 60
 tactacaatt aactcttggt aaagttgagt actctttttc ctacctcgac tttttatcta 120
 taaaatgtga aagggttttt tctaagaagg ttttaatgag gcacaccta acatatacta 180
 tcaatgaagg tgttttctca acaattatac ttgaattttc attcttaaca attcccttct 240
 aaataacctc ttcaactgag gacgaactca aaatgatatc ataatttccc tcccaaataa 300
 cctctttgcc cgatgacgaa ctcaacaata aatcataagt tccctctcga ataccttctt 360
 cggccgaaga caaactcatc atattaatta aaattaattg cacatcttat aagcaagttc 420
 caagcacaaa acac 434

<210> 24713
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24713

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agagcctacc tgcacgcacg catgtantgt atttagcgtg aacgtgctat gaagtcctct 120
tatcgaaaca tgcaaggtga ctgccgacag gtcccaatct taccaaggta aactgagtac 180
actatccgaa gacaccatga gtccgaactg tgggtgtctaa tgaacgaact aaatagcaca 240
tattgagggg cgcacattga gcgctatgca agcaataaaa atgacttgcc gaacacacgc 300
gtgatacagc caaagctaaa catcgcttgc ttgggactgg acctgtcaac atctctataa 360
caatgtatct tataaacaag agactgtatc caataatgca gtagcgtccc tactatgacc 420
ctgcccataa tgcccactga gagcctcgaa atgtaacacg cacttatgga attcgccg 478

<210> 24714
<211> 284
<212> DNA
<213> Glycine max

<400> 24714

caacacaagg ccaatcctac cactgctatc aagtggcaca ataaataaac aagccgatcc 60
catctccatc caaactaaca cacctacaaa ctagaactag ctccattatg tgagaccata 120
ataaacaaca cccatataac accactaaaa caatacatat actaaaatgg cacggctaac 180
ttatccagct ttcaataaga cctcctacta cgtaccctaa cctgcacata tcacagacac 240
cctccctccc taccaattaa gaatggacac aaaaattac atac 284

<210> 24715
<211> 382
<212> DNA
<213> Glycine max

<400> 24715

tgcttctcct aatttgcgac tcttccgttg gaaaatcttg ctcgcttctc agattcactg 60
ggagtcacat ctttatttgc ttctcctaata ctctctttat gttcagatcc tttgtttctt 120
catctcgttt caagatgact cctaggtcga cagccacgta agtactattg gagttgatgt 180
cgtaattatc actcttcttc tcttttggtta tttctattta tggcccaaca ctattctta 240
ttttattttc agaaaatcag aatcgtggag ctggaatgaa aaaccgtcaa gctgcagatt 300
gtgagtattc atacttcact gacacgaatc aatgtcttgt accgactact tcatttataa 360

tgccctagcaa gcatgatcat ca

382

<210> 24716
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24716

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actttgttgt gggcaaaagc ttgatcttta attaactggt tctctggtaa ttgattacac 120
tgccctggtaa tcgattacca aagccttaat catttggaac cactttggtg tgaggcaaaa 180
acttgatctt gaattaatct tgaagcaatg cttgtttggt gaagcaacct tgtattaata 240
tagaagcaat gcttaacctt tgaatgtttg gtgaagtaat cttgaaagcc accttatttg 300
attattcttt ggcttatcat atacatgtat tcatacatc atactctatg tgttcacatt 360
cctcgcctgt atgatgatga 380

<210> 24717
<211> 393
<212> DNA
<213> Glycine max

<400> 24717

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cttccggtcg agacttcgaa aaattttcat ttgtgatcgg ttagactaaa ggcccgatag 120
catgcagtga cgaacgtcgt cacctgcacc tttcccgaa atgtcatcgt ctaccggccg 180
agactatgaa aatgtctcat ttgcgatctg tcagactcca agtccggcag catacagtga 240
ctaacgtcgt catctgtacc tcttctggag atatcagcgt cttccggtcg agacttctaa 300
aaagtctcat ttgctatccg taaggcttaa atcgcaatag cgtgtagtga ttcacgtcgt 360
catctgcacc ttcccccgag atatatgcgt ctt 393

<210> 24718
<211> 385
<212> DNA
<213> Glycine max

<400> 24718

acactataca atactcccgcc ttgcctcaaa gatgtccagg aaagacaatt ttgtcgttgg 60
aactagttcc gccccggagt acgacagtca ccgctttaag agcgttgtac accagcagtg 120
tttcgaagcc atcaagggat ggtcgtttct ccgagagcga cgcgtccagc tcagggagga 180
cgagtatact gattttccagg aggaaataag gcgcggggcg tgggcaccac tggttactcc 240
catggcctag tttgatccac aaatagtcct tgagatttac gccaatgctt ggccaacaga 300
ggagggcgtg cgtgacatga gatcctgggt tatgggtcag tggatcccgt tcgatgccga 360
cgctatcagc cagctcctgc gatat 385

<210> 24719

<211> 397

<212> DNA

<213> Glycine max

<400> 24719

ttatgcattc ttaaaccact tcacacagac tctaggtggt caatagccct caatttaatg 60
gattttctag gcttgagaag tgaaattcat aatgaggtaa atttgtagca aactctcacc 120
ttacacaagt gcataacatc aatctaaact tgctcatact ggatttacac ctataatttc 180
accgaatcaa aatttgactt ctcaacacct aattttgccc taaaaatggc tcttgctcac 240
tttggtcatt ctgtttactc ctaacacatt ccaagctatc tcataagtcc tagatgacat 300
ttctagctag aattatctca ctgtaacctc catttaccac agaatccata tttaacccta 360
caactcttat agcctcactc tgtttctact cataaca 397

<210> 24720

<211> 301

<212> DNA

<213> Glycine max

<400> 24720

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gaataagcca tggaacaagg agtttcacca ccaacatgag ccttggataa gaagctcgga 120
gaggatgctt ccttggagga aaagatagag ggagagaatg atagaggggg gatcaccaaa 180
ttgaaggaag ataaaggag agaagttgaa ctttgagttg tgtctcaca gactctcatt 240

cctcaaagat actccaaggg ttacacatgc ttctattcat agactaggta gctgtcttga 300
g 301

<210> 24721
<211> 156
<212> DNA
<213> Glycine max

<400> 24721

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tgagtttacc tacatgaccc gccgtggtga tgcatacacc atttaacttg agccagctct 120
tgcttagctt aaaaagcaaa tacattgtca ccgact 156

<210> 24722
<211> 351
<212> DNA
<213> Glycine max

<400> 24722

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cttctatcaa tatcggagaa taatatcttc ttgcctgagt gggctaattgt tatgttgatc 120
gaacaccagg gaacatctca ggtacacctg agacaaaacg tcagatgagc tcccacgaat 180
taacgtatcc ggcctacaat gaagatcttc tatccacac caaaaactag ataacttcct 240
ctgccgtaaa aaaaaaacat cacaggccag cgagcgtttt aaaaaaaaaa tctgtagcgg 300
ctatttcacg accgatgtcg gctaataag tttacattca atccctgaat g 351

<210> 24723
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24723

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accctatcga gttctaatta tgtgggcat aaagtctatc atatgctgac aatagtcgag 120
aagcccatga atctcttcag gggcagagta agtgtctgcc atcgcttgg ccttgggctaa 180
caatagggga agtacttgac ttccgtttaa ggaaagagca aaccgatcca tccacatggn 240

tgctcttgg tgtaaagagt cgatcaccct tctcttacc tctttatcgc atatacttgg 300
gcatactcat cgcgacttt atgctcgtgg gcccgaggct agaaccaact cttcttggta 360
cttgcgatg ata 373

<210> 24724
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24724

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atattggtaa tcgattacca gtgtatctga acgttgaaat tcaaaatcaa ttgtgaagag 120
tcacatcctt tcataaaatg ctttgtgtaa tcgattacat ggttttggta attgattacc 180
agtgacaagt tttgaataaa aatcaagaga tgtaactctt tcaatggttt tcaggttctt 240
ctaaagggtta taactcttct gatgggttta caagggtgaa aagacatctc aaggactgca 300
ngtcgcttgg tgactggatg tatgcacggg ttgttgccga accagtataa actctttgtg 360
tttgtcttct tctaccctac actc 384

<210> 24725
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24725

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aaattgaagg aataaaagag ggagagaagt ggaactttga agtatgtctc acaagactct 120
cattcatgaa agttacaata agtgttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttggga 240
agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300
cttaagaaga ttctaaaga agctaaagct tagctacaca cacctttcta atagctaagt 360
tcaccttctt gagatgagaa gctagagctt agctacacan cccctataat agc 413

<210> 24726
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24726

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 gaatgatgga agctttcttg tggggcttct atggaggctg gatctttgag cttcaatggg 120
 gtcctttaat ggtgattttc caccatggag atgcagcgga agacaaagga aaggagggtga 180
 gaggaggcgc catccattaa ggaataagcc atggaagaag gagcttcacc accaagatga 240
 gccttgata agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa 300
 gagggagggg ggagcacgan attgaaggaa gaanaaggga gagaagttga actttgagtt 360
 gtgtctcaca agactctcat tcatcanagt tacaacaagt 400

<210> 24727
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 24727

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 cctcgagagc ttccgttggt caatttcgag cgtcttaata tattatgcac ctgaatcgga 120
 cttctgtgtg ataagttatg accatttgaa tttctcgaga gcattcgttg ttcaattcca 180
 agctttctga tatattgtgc acctgaatcg gacttccgtt tgaagagtta tgaccttttg 240
 aattttctga gagcttccgt tgttcaattt caagcttctc gatataattat gcaccttaat 300
 cggactttcg tgtgacaagt tatgaccatt ttaatttctc aagagctttc gttgttcatt 360
 ttcgagcttc tcgatataatt atgcacctga atcggacttc cgtttgaaag atttga 416

<210> 24728
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24728

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cgtcagggcc tctccctcct gattcaggtc caaccagaa aatatttttaa cacgtagact 120
ctatctatga actatacaaa acacacgact cctcaattgt tctcaaaata attttaactc 180
gtcatgcctc aaagtgatta tacttggtga gttcccatag tggatcccat cacaatactc 240
gtcgcacatt aactcgtttc ccgtaaaggg tcttacaatg gtgtgattgt acgattcata 300
acttataact caatgcacat aacatgtcaa tacatgtgtg atctcacaat ataacacata 360
cacaacttat cacatacacc caatctcctt cactatatta taatg 405

<210> 24729
<211> 429
<212> DNA
<213> Glycine max

<400> 24729

tctaccatat atttttcaag gagattagtt gtaaattatt atttatgcat aagggtgatt 60
aattgaacca tgtattggca ttgctcttag ctccaacatt catccaaatg aggggtattg 120
tgagaaaagt gtaaaaaacg cggttttgta gattaaaaca aatgccattg gagctaactg 180
ggaaagacaa agaaattaac aattgcatat aaaaaggggg tttctgttgg tagacaatat 240
tgtaagagaa tagtgttgga ggaaaatacc ttaatttgaa gtaaaccatgg tatccaaacc 300
tgtggccaac tcgatgcttt ttctgaggat tgttgctctc gctgcctcag ctgcaactgt 360
ggccttacta tttactaaca aggtcaaatt tgatgatgga acatagttga gatttcaaga 420
tttctattc 429

<210> 24730
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24730

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tcttcaagtt ttacataaat tgatgattaa gatgatcaaa taataaaaat atagaaatag 120
gggaaaaagt gcataaatgt gcaactgaat gacatgaata atatatgttt taccattgng 180
cgaattaagt gaatttatgc cttatatattt tattaactac tagtcattaa ttcttctttc 240
tgcaatgcat tccactttca cgggaagtag tttttatttt ttttccttat aattacaaat 300

atcatcttat ttttatttta tttcttggtc taaaaataaa aaataataat atatttaata 360
 ttcttattat atctatacaa tttttttaat aataatat 398

<210> 24731
 <211> 380
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24731

cttacttact attcgtcag aactaaacta tttgcgtcta ctttttggag ctgccgcaat 60
 tgctgttcaa actccaccct tactttctat cttatccttc acatggatca acaatttgac 120
 tatctgcatt tgcttttgaa acttcctccc ttagttcagc aaactgtctg tcaagcccgg 180
 gctttaactg cctaaagatt ctagaccgac ctcccttgcc agtgctttag catctatcca 240
 gatctagttg gaggtcagga aaagatcctt agcttcctaaa acctgtgctt catttctcac 300
 ctaacttcta ttcacatagg aatcttacat agatagatcc cttcttcctg tggtttctct 360
 tngatcatag aaaccttctg 380

<210> 24732
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24732

agcttgtaaa ttttagatatac aaaatttttc aaatgggtcc agacgataga cccagatctt 60
 gtaaaacaaa caaagttttt caaatacaaa aatcaaattc gaaccttgag tcaatttaaa 120
 gcacaaaaga gaaaataaat aaagttaaga cacaaaaggt tacattgggt catctcaacc 180
 actaagacta cattcagttc ttggtaaacc accaagttcc actaacttca acaagttaca 240
 agtattaatc actgccactt ctaactctac aactcanact ctacaccaag cttgttataa 300
 ccagtattgt ttgccctacc aagccattgt tggctctaata agaaatcaaa agaatttttg 360
 tttggctntc agactgacta acactccatc atcataaaga tgaata 406

<210> 24733
 <211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24733

tcttcacata gtctgccttt gcttgacctt tntatgctta aaaacagaaa cattaggcat 60
aggcaaaaga tcaagaggag ttagtggggt aaaaccataa acaggagAAC aattagtggT 120
gctatgaaca gctctattgt aagcaaattc aacatggggT aaataagctt cccaagtttt 180
taagtTcttc ctcaaaactg tcctaagcaa agttcccaaa gtcctattag caacttttgt 240
ttgcccacg gtttgtgggt gacaagtggT tgaaaataac aatttactgc ccaacttgct 300
ccacaaagtc ctccaaaaat ggcttaggaa cttagagtcc ctatcactaa caatgctcct 360
tggcaaacca tggagtctca caatctcctt gaaaaacaaa tcagccacat gggaagcatc 420
atcaactttt tt 432

<210> 24734
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24734

agcttgtaga attatggggT acccatcaca tgtggTacta ggtggcggtc gggcgatggT 60
gcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccacaaca tccaagcaaa acaacattca cacagcacia 240
gctatcacag ccaagcaaaa caaagcaaag gcagaaaact ctgccaaaac accaaccaaa 300
aatcacagct tttcccactc aaagacccca gtaacaattc cttcgatcca atttgTtaac 360
cgttggatcg actccaaaat tnttctggaa gtctatagtg cataagcct 409

<210> 24735
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24735

tataatatat tgatacgctc gaaattaaac ctcggatgct ctctatgaaa ttcaaattggt 60
cataactatt cacacggatg ttcgattatg gcgaatcaca tatcgagacg ctaaaaattg 120
aacagcggaa gctctcgaga aattcaaatg gtcataactt ttaacactga gttccgattc 180
aggattataa tatatacaga cgctcgaaat taaacattgg aaggtctcga gaaattcaat 240
tggttatcac ttttcacacg gatgtccgat tcgggcgtat aatatgtcga cacgctcgaa 300
attgaacaac ggaagctctc gagatattca aatggtcata actnttcaca cggatctcca 360
attcaggcgc atcgcatatc gagactctca aaattgaata gcggaagctg ttgagaaatt 420
taaattggtca taac 434

<210> 24736
<211> 381
<212> DNA
<213> Glycine max

<400> 24736

atcttcctct gccgtaaaaa agatattatc ggccagtgtt tgtaaaaaaa ttgcgcaatg 60
tcggctgaaa aatatccgtc ggggctatct aactaccgat gtcggctatt gttttttcta 120
ttccaccctt gaattatatt tggatgatgc ctattacgaa atgttcggac ggggtcatcc 180
ggtcattgctt ctttttgagg cctcgatctg tcggccttcc tagccggccg acgtcggcta 240
gcattttttt cgatcaatat ctgtgtgaat catgtttttt tttgccaaag agggctaattg 300
ttttcagggc cgacaaaatg agaacatgcc agtgtcggcc gaaacacaat cccgcacgaa 360
taaccctagc cgacctacat t 381

<210> 24737
<211> 408
<212> DNA
<213> Glycine max

<400> 24737

cagctgttta ccccatgtta gaattgctta cattatagct gttcatagca ccactaattg 60
cgctcctttt gaagatgatt atggctttta cccactaact cctcttgatc ttttgcctat 120
gcctaattgtt tctgttttta agcataaaga aagtcaagca aacgcggact atgtgaagaa 180
gcttcatgag agagtcaaag atcaaattga gagggaaaaat aaaagctatg ctaaacaagc 240

caacaaaggg agaaagaagg ttgtcttcga acccgagat tgagtttggg tgcacatgag 300
 aaaagaaagg tttccggaac aaaggaaatc aaagcttcaa ccaacgggag atggaccatt 360
 tcaagtgctt atagaataat gacaatgtta caaagtgagc tgccgggtg 408

<210> 24738
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 24738

agtttgcttg tcttatgcag tagtaatgat gacccgagtt atgttgggga acggttacga 60
 acccggaatg ggtttaggca aagacaacga cggcataact agcctgataa atgccaaagg 120
 aaatcgtggg aagtatgggt taggctataa gccactcag gcagatataa agagaagcat 180
 cgcgggaagg aagagcggta gtcaaagctc gcggttgaga caagaagggtg aaggaagccc 240
 accctgccac ataagtagga gctttataag cgcgggtctg ggggacgaag gtcaagtgggt 300
 cgcgatatac gaagatgatg ttccgagtag attggatttg gtacgaccat gccctcctga 360
 tttccagctg ggaaattggc gagtgggaaga acgcccc 397

<210> 24739
 <211> 343
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24739

gaaaaaagct tttaatggaa gttaggaaaa tgaaggcccc cccgaaccat caactgggaa 60
 cccaagtcac gataggggta aagacatttg taccgtgttt aggaagtccc acacaaagac 120
 atcatctccc aacaacatct ggaagaaaacg gtcaatattc ttgatcttc catattgggtc 180
 tgatctacac gtgcgtcact gtctagatgt tatgcatgtg gagaaaaatg tttgtgataa 240
 gtcaattgggt actcttctta acattanagg gaggacacac gatggtttga aatattgtca 300
 agacttattt gacatgggaa tacgagagaa gtgcacatccc ata 343

<210> 24740
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 24740

ttttgcaagt ttgggttcct agggctagaa tcgcattcgg gcactcattt taaatccttc 60
atgctgtccc tatacatata aaacagtccc acaatcccaa gcttacaaaa ccatgcccac 120
atgtcattga ggcatttcac cgagcacttg gtggggcgcat gttttggcat gaatagcaag 180
agaatggggg caatgtggca tgccccatta ctccagaatg caacataggc ctaggggccat 240
cccatacaac cccctaactc acaccaatca agcatgaaac aaagccaaaa ttgcccata 300
gacttgggca cattcccaca atttatagca ccaaagaag accacaatac atcaatggaa 360
agctagaaag ctaaaggatg agatacttac ttgatggagt gagt 404

<210> 24741

<211> 434

<212> DNA

<213> Glycine max

<400> 24741

agacattata caatactcca gcgtgccacc cagctcgccc aggcgagcat ttttgctttc 60
tccagaagca atagccttct ggaggaatct tctaaagggc ccaagtgggc ctggttgcta 120
tttgacccc cattttgact aagtacaccc cctacctttt ttggtgattc ttttttcgta 180
aaggtaccga tacttacgaa tttcgtaatg atacttgttt tctttccata atgttacgga 240
accttgcgga ttacataatc atcccccttt tgacttacag aatgttacgg aacctcacta 300
attgtgcaac gatgcttcca tttgatttcc ggtgtgtcac ggaaccttac agattgtgca 360
tcaatatattt cttttgtttt ccggcacatc ccggaatatc acaaattgcc taatgatggg 420
tgcccagcac ctca 434

<210> 24742

<211> 388

<212> DNA

<213> Glycine max

<400> 24742

agttttgatg aggaggctat tagccaattg ttgtgcatgt cggggtagga ctttgcccgg 60
accgcaacag ggagaaaggt gcggatcatg cgcaccagca tgaccactct cacataaatc 120
tggatgacgt tgctgcttag caaaattctc cctagcgacc ataactcgga cctcacccta 180

ctaaagtgtc agctgggtcta caccatactg acacatgtga gtgtacatgt ggctcagctg 240
atctctgatg ctatttacca gtttgcaggg attgtgcgta ccagacaccc ggtggacccg 300
gagaagtcca acagggcctt gagatttcat gctctgatta taggcctctg tcagttctat 360
ggagtgtcgg tcacccccag caagctta 388

<210> 24743
<211> 412
<212> DNA
<213> Glycine max

<400> 24743
gctttatgga cgctggatct tcgagcttca ttggtgattt tccttcatgg agatgcagcg 60
gaatgctcag gagaaaatga gaggggatgc tccctccaca agggaataaa ccatggaaga 120
aggagcttca ccaccaagaa tgtgccttgg atagaagctt gaagaggatg cttttatgga 180
ggaaaatgac agagagaaaag ggggagcacg acattgatag aataaaagag ggagagaagt 240
ggaactttga agtgtgtctc ataagacttt cattcatcac agttacaaca agtgttacac 300
atgcttctat ttatagacta ggtagcttcc ttgagacgct ttctagaaaa aacatccttg 360
agaagcttct ttgagaaaac ttcccttgaga agctaaagct tagctacaca ca 412

<210> 24744
<211> 331
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24744

agttttgacat agttgtcata ggtaagggca tgctgagctg cttcagggga gcagtgcacg 60
tgacgatgtc caacgttggt gtggagagaa accccaacgc agagatcttc cactgcctga 120
attgcatctt gttgactcat aactgttaca atgtcttccc tggctggggc attgacggng 180
tcatgggtcc agtgcatgtg tcacgcaaga ggccatggca gcaatgagaa tgatgagggga 240
gacgaagaat agagaacgcg atggtgatga ccacaccatt ggtgaacaca agactgagag 300
agagagagag agataagtaa gaaggacac a 331

<210> 24745

<211> 383
 <212> DNA
 <213> Glycine max

<400> 24745

agcttgcgga acccaacatt acttgctcta ctgttccact ttacattcta taaaaccaa 60
 aatattcgct gtttggttgg gtcggagact acacatattt attggtatta acaattcata 120
 gacattttat tgaatctcat tccaagtcac ataataatat ttacatttat ttatggtatg 180
 cattogaaca ctttcaagca catatgtaac atatacatat atattgctac caataatctc 240
 aaagtattca cattaattta atcctaagac ataaactctc aatcctttaa tgacattcta 300
 taataatatt aacaaaaatg agcaagtgac attgtaaata gcataaatga gtggccaata 360
 acaattttca gaacttcctt ctc 383

<210> 24746
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24746

agcttctccc ccaaatttct ataaataggg ggagaagtga agtgaaaaag ggttcaaccc 60
 cttaggcact tctcttttct tcgaatttgc ttggaaaaat tgtttccgtg aagaaaatcc 120
 aaaccgaggc gcttccgaaa cgttttccgtg aggaatttgc cgaactttcg accattcttc 180
 gacgttcttc attcggttct catcggttct cgatcttcaa cgggtaagta cctcgaacca 240
 agcttttcga ttcatctat gtaccctgtg tgggtcacat tgtgtttcgt gtatttttat 300
 tctcgtttca tttactttnt atacccccct tataaccccc ctntcaacgg gccatttatt 360
 taagtcattt ctgc 375

<210> 24747
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 24747

tgggtctcacc ggcaagcgca ccgggtcgcc aagtaaatat aattaaaata gaatgaactg 60
 agtattgaac acagggaact tgttcattta gcaaagtatt gttaagtaag caggcatttg 120

caaacaaaaa ttaatgattg tgaattaaag caaaagtatg ttctatccta agtaaaagca 180
 ataaacgaga acaagtaagt gtgaaaacaa atatctaaag gcgttgggtc ctcctactga 240
 gtaagttgat gcaattaaag atgtttttct aattaaagat gttcctgtgt tctatgctga 300
 ggacaaaaga ataccaaaca ccaattcctc tagagtttgg attaatttaa atcaaacttc 360
 gttcgcagat ccctcttggt gaacttagcc taatttaaag agcattatac tcacaacata 420
 tc 422

<210> 24748
 <211> 318
 <212> DNA
 <213> Glycine max

<400> 24748
 tttcatgcaa gtctttggac aaaattcaat actgaagaac gcgatggggt gtctgttctg 60
 agagagaact gcccacacgc tagtgcaaga cacgtcgggc tccaccacaa agggaaatgc 120
 gaagttggga agcgccaaga cgggagccgt gaagactgct tcctttaagg tggatgaatgc 180
 tctcgtagcc aactccgacc accagaattg acccttgac agcaactgtg agagagggcg 240
 aacaatctta gcgtaacctt taataaatct tctgtaaaaa cccaccaaac gcagaaaact 300
 tcttaatgct ttcactga 318

<210> 24749
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 24749
 tcggaagaaa gtgatgaggt actagcccta aaggcttatc ttgaaagagc ctgtgtagtc 60
 aaagagaagt tcaagtccat aaccatcaaa gtctgaagag agtatgatga actaaggagc 120
 gtcaatatgg ccaccgatga agccttgga tgagaaacca agaaggcccg aaaggaagaa 180
 cagacacaaa acaagttttg aggggcttta taggtagca atagttagct caaactctga 240
 agaggtgaaa ggaatcatca cgggtcaaag gcatgatctt gaaggacgag ctaaaagctt 300
 gccttatgct aaaaagaaat ttgtcccaac agttaagcga gactgaaggg aatatgtggg 360
 ccatcatcga tgagtgcaaa gagaagctaa atctagcagc gactcatgag c 411

<210> 24750
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 24750

agcttaataa aaggatatgcg atgtgggtgg aattcctaga gcaattccct tatgttatca 60
 aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgccttac 120
 tttctatgct tgaacaaaaa ttgattgggtc ttgaatgttt gaaaagcatg tatgaaaatg 180
 atgaaacttt tgaagaaatt tttaaaaatt gtgaaaattt ttcagaaaat ggtttcttta 240
 gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300
 atttgcttgt ttgtgaagca catgaaggag gtttaatggg acattttggg gtccaaaaga 360
 ctctagaaac attacaagaa acattttatt ggtctcatat 400

<210> 24751
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 24751

tcttatccaa ggctcatctt ggtggtgaaa ctcttcttc aatggcttat tccctagtgg 60
 atggcgccgc ctcttacctc ttctccttg tcttccactg catctccatg gtggaaaatc 120
 accattaaag gacctcattg aagctcatag atccagctc cataaaagct ccacaggcaa 180
 gcttccatca cattggcccc gcaccagga gtgcttgccc ctaaatccct cctctatgga 240
 ctatgcattg gcgtagaact ccatgattat ttatggatca tacttagcca tgggtgttgc 300
 aagttgagtc cactgcctcc tggcaatgtc ctctagaat tcagcatatt ctcttgcct 360
 taattggacc cgcctctcct tgagaaaaga ccaacccttg actgtctcac aatggcgcta 420
 gtgttcatcg 430

<210> 24752
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 24752

agttttcaaa atatgcaact attgaatcct aataacaaaa tatgaattag tgatatacat 60
ctacacatac taataacaaa ataaaacaaa caatgggtct ttagatttct tcatttttta 120
tactgcatca tctttatcag caaccttctt ttgtttgggc cttgttatgt ttagcttatt 180
ccttgctact ggcggaacaa tagatgtagg gacctacatg caaatgccaa acatgaataa 240
cacttgtaat atataagaat ggagagctgc aacaaattat gatgagataa aaatattctg 300
ccgcgacata tattgaccat gaactccatg tcactatcga gacaaattag gctgagatac 360
attaatctcc acaggacctt cttgaacatg agcagcacga atgca 405

<210> 24753
<211> 328
<212> DNA
<213> Glycine max

<400> 24753
atgattccaa gaaaaactaa aaggagcgaa caatatttat gcattcagca tacgtgtaac 60
actacacttt tcatgaatca tacaaaaaga tattttattta taaaccaatg tggttttata 120
aatcacgaga aataaactga tttaaattaaa tcattggcttg aacgacataa tacagaaaga 180
ttctatgtat tcatttgata ggaaatgaaa taaagatctt ttgattatat actaataata 240
ctaaagaata tttgagttca tcttcagctg agagtaccta cgtagagaca gtgaagtttt 300
tagactgacc atcgtctttg tgcttact 328

<210> 24754
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24754

agtttttaaaa tgttaaccca aaacaaaatc aaccaagtcc tcaaccaatc caagtcttca 60
aaccaagacc tcattttattc aacttcattc tttttctttt cttttttttt gaatattttt 120
tttttttttt tgtatacttt tttgaacgtg aacagtagca attgaaagca tttgaaaaat 180
aaagcagcca ttaggcagtg tatgtatata tcatcaagca tggccaataa aaacatatca 240
tccaatgaaa cataaccccc ttacacttta ttcccaaaac aattccaaag ctccaaaatt 300

ccttaagggg aggggtgaaat catgggttttt cacttaaggc ttgtaatgag cttcanaaca 360
tagaaagggg aacataggct canaggggct atc 393

<210> 24755
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24755

ntttggagta gaaacatggg accaactcat tntatttgaa aaatagaagt cgtatccagt 60
caaggtctga gagaccatac aattttccta acgatttcta attatgtggg ccattaagtc 120
tatcatatgc tgacaatagc cgagaagccc atgaatctct tcggggggcgg agtaagtgtc 180
tgccatcgcc ttggccttgg ctaacaatcg gggaagttct tgactcccgt tcaaggtaag 240
agcaaaccga tccatccaca tggatgcctc ttggtgtaaa gagacgatca cccttcctct 300
agcctctttt tccgcataca cttgagcata ctcatccgtg attctatgct cgtggggccgn 360
ggctagacct aactotttctt ggtacttggc gatgatagct aacatgttgg tctctgtctc 420
gcataaacgc t 431

<210> 24756
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24756

agttttctca ttttttgcgg attgacgctc ttaagacggc tgcgtatata ttaaaccgag 60
tgccaatcaa ggttgtctca cagacacctt ttgagttatt caaagggttg aaatcaatgt 120
tgcgacatat acgcgtctgg ggatgcctgt ctgaagtaag aatttataat ccacaagaga 180
agaaactaga ccctatgact attactacgt atttcattga atatgctgaa aggtctaaag 240
gggtataagtt ctattgtcca tcccactaca ctacgattgt ggaatcaagg aatgcatagt 300
ttcttgaaaa taacttgatc agtgggagtg atcaatttcn gaacatttct tctgaaaggg 360
atcactatga 370

<210> 24757

<211> 172
 <212> DNA
 <213> Glycine max

<400> 24757

gctcatcttt ataataattct ctctattat gtatagatcc cctcttataa tttatctata 60
 ttactaaaaa actatacaac atatcatgca ttatggagtg aaactaacta atgaccaaaa 120
 agtaatcctt gcatcgcttt tttattgatt gataaaaaac aataaattta ac 172

<210> 24758
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 24758

agctttttct acttcttttt ctcccccttt ggcaacatca aaaagccaaa gaactcggga 60
 atcaacactg atataacaat ggagtagaac gatataaata tcagagtata aaacacaata 120
 attcaaaactc acaaacaaga aataatcaaa ccagaatcca aataactgaa aatgtcaaca 180
 accacaaaat atccaagact gaaatttaaa aaccacaaga taaataagca aagtacttag 240
 cataataatg taaagtctaa gaaactaaaa gccaaaatac acgggttata aaaaatatat 300
 aatcagaaac taaaatctaa gaagacggag gtggtggtgg aagatcgaaa ctctgacgaa 360
 tgtatccaac atcctcttca agctgtgtaa ggcgaatgtc cataccgg 408

<210> 24759
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 24759

tctatagaag gttagtctct aatttctcta cacttgcttc acctctcaat gagctggtga 60
 agaagaatgt gacattcact tggggtgaaa gaaaagagaa agcattttct ttgctcaaag 120
 aaaagctcac caaggcacct attctagctc ttcctgattt ttctaaaact ttcgagctag 180
 aatgtgatgc ctctggagtg ggtgtgagag ctgtattgtt gcaagggtgg caccctattg 240
 cttatttttag tgaaaaactt catgggtgcca ccctcaaata cccacctat tataaagagc 300
 tttatgcctt aataagagcc ctccaaactt gggaacatta ctgtgaataa tgcagggttt 360

gatgatgcta aaaagaaatc acttgataat gattgtcatc atcaaaaacg cggagaatgt 420
 gaatgtatga ataca 435

<210> 24760
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 24760

ttttgcaagt ttgaactgag agataaaaag taatcgatgc tttttgagac ttagaaattt 60
 ggggaacaaa aaatgcagga tagcagttga gagagaaaaa gtgagacaac tgtttaagac 120
 tttggagcac taaaagggtg tggtgaaatc aaaatttaat gcgataatct ttatttggaa 180
 gcggtccaac cctggcactc acaccggctt tttcgggtta ataccggatt gatgatgtaa 240
 gcaccgggtct tcgattcccg gttagaccgg cgggaccggc cggtttaaat aacgctgcac 300
 agaagcctta tgtgtagcat aaccatattg tgttatgcag cgtaatcata cccaaatcat 360
 cggatattat tacatttctt attttcgtga acggtacaaa cct 403

<210> 24761
 <211> 423
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24761

tgagaaggct ctcggcgacc aattccctgt tagagtttgt tacttnggcc tcgagagttt 60
 cggcaacact tgttactgca acagcgtctt gcaggtcttc gatccgattt acgttttttc 120
 cttttttatt atatttttct tgttctataa gtgttgatgg cttattgatt catctatgca 180
 aagtttggtg cagtatcttc aggagagttt agtactttaa tgtatattat tgttttggac 240
 attctgttga cctgttttag cagattcttt gaagcgctta ttcttagttn tattaaaatt 300
 taaagttgga tatgctcttc attatgtttc gttcgtagta ttataagcgt ctcttttaggt 360
 gcatacctca attttaaaga ggatgatgtc ttgtagcact caatatgtgt accatctctt 420
 aaa 423

<210> 24762
 <211> 400

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24762

agcttgtaat ctataataaa tataagatag aagtgagaaa ctataataaa tataacatag 60
aaccttttttg ttgttgaaag tccaacaatg gctagcaagg ttgaaatgca gcggcggttg 120
tggatatagt gaagctatgt gtgaagtaca atggatgtac tggcaggttg ttgaaattca 180
gtccactag tggctagttg tgtagtgaa atatcatttt taagggtgag gacaagacgt 240
agcccaagg taggggtgagc tagtataaaa atcatcgtgc actactctct tccctctctc 300
tacattgatt ctgnttattg atctcttgac tagttntgnt aaatccttaa gacaagaaaa 360
ccattcacac atatatccaa aattgaacca ttttatcaaa 400

<210> 24763
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24763

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tatgggtaat gctgtctcta gaacatttcc attggattta atgatgaaat ctgagcattt 120
tcacgtgaaa aagaggatga gttctgaatt gcaaaaagtt gcacctgggc taaacgctta 180
ttcacgcta agcacagctt cagtgcgctt agcgcaaaag agaatctggc agagcatcag 240
catcaaagcc gcaccctaag cgcgagatca atgcgctaag cgcaacagggt gccttttagcc 300
aggctcaacg caagactggc gctgagccca attccactta ctcgagctaa gcgagagggt 360
ggcactaagc gcaagggtgc gtattctgag cctattttaa g 401

<210> 24764
<211> 382
<212> DNA
<213> Glycine max

<400> 24764

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tcggctgaaa aacatcagtt ggggctgttt aactaccgat gctggctact gttttttcta 120

ttccaccct gaataatact tggacgatgt cgatttgaa atgttcgatc ggagtcaccc 180
 ggtcatgctt ctttttaaga cctcgatctg tcactctttc ctggccgacg tcggctagca 240
 tttttttcga tcaatatcgg tgaatcatgc tttttgcaa ggtgggctaa cgttttcgtg 300
 gctcatgaaa tgagagcatg ccagtgtcgg ccgaaacaca atctcgacg aaaaacccta 360
 gcgacctac attgtaattt tt 382

<210> 24765
 <211> 415
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24765

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 agctcaaccg aagttgtatt tcggccgggc ggctaggttt tttcgagcga gctcaaccaa 120
 agttgtgttt cggccgacac cggcatgttc ttgtttactc tgccaggaac acattaaccc 180
 acctcggcaa aacaaccatt atcctccgat actgattgag aaaaacaata gccgatgtcg 240
 tccaggaaag atgaccgatc gaggtctaaa aatcaaaagc atcaccgat gacgccgatc 300
 gaacatttcc taatagacaa cacctaacaa ttatcaaggc attaattaga aaaaacaaca 360
 cccgacatcg gtcgttttaa agccccggcg gatatttctc agccaacatt gcaga 415

<210> 24766
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24766

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 tgttggtgtc ataccctaatt ttcggtccggg gattattact tgatgacatg caacctttgg 120
 tcagccgctt tgagatactt ggcattcctt ggtgcacaat aaatgaagtc ccgagacgtc 180
 tcagaaatct aaaggaagca tgcttgccg atccgtgaaa ttccgtaatg tggcggaagt 240
 cgaatagagg tgtttttgcg caatccgtaa gtatccgtaa cttcttcgaa agttaaaaaa 300
 gagtaaatac ataatccgta aggattcgta accttgcgga aggataatag gtatcgctac 360

aaaattcgta cagtttcgta acattac

387

<210> 24767
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24767

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ttaggacctg aagtgggtaca acaaaccacc aagaaggtga agttgatcca agaaaggatg 120
aggactgctc agagtagaca aaaaagttat caggataaga ggaggaaaga tctggaattc 180
gaggttgggtg atcatgtatt cttgagagtc actctgtgga ctgaggttgg tcgagcattc 240
aaatcccgaa aactcacacc tttctttatc ggtcctttcc aaattcttaa aagagtcggt 300
cctgtggcat accaaattgc attaccccca tcactttcta atcttcacaa tgtctntcat 360
gtatctcaac tccgtaagta tatacatgat ccctctcctg acatatgaaa catttccttt 420
gagga 425

<210> 24768
<211> 358
<212> DNA
<213> Glycine max

<400> 24768

agtttcaaag ggaagagaga gaccaatcac gagtacatag catggtctta aaggaggagt 60
tagctgcctg ctcaagatcc aagaagagtt tggcccaaca cttagaagcc acggagcaaa 120
gcatgctagc tataataggg caatacaaag aggagttaa ccaatctttg gctcatgagc 180
aaaagctagt agaagacttc acacaagtat acgccgagaa ggaggcaaga ggaaggtga 240
ttgatgcatt gcatcaagaa gcgaccatgt ggatggatag gttcgccttg accttaaatg 300
aaagtcaaga cctcccacga ctactagcca cagcaagggc catggccgaa gtgtgttc 358

<210> 24769
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24769

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ggccttgatt ttctcaaggt ccacttggac cccatttcta ccaactacaa accctaagaa 120
aactatatta tctacacaaa aagtacactt ctctatattt gcatagaggg tgtttttcct 180
aaggactgaa agaacttgtc cgagatgtcc taagttatca tctaggctcc tactgtacac 240
taaaatatca tcaaaataaa caactacaaa tctacctatg aaatccctta agacatgatg 300
cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360
atacaaacca aacttgggtct tgaaagcggg tttccactca tcaccnttt catcctgatt 420
gg 422

<210> 24770
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24770

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tgtagcagat gtctttccag attccccctt actcgctaag cgcgctgggt ctgggcttag 120
ccgttgatgt gcacaaagcg cattgagctc acttagcgcg atgactcctt tggcatttct 180
tcaaaatacc tcctttttgc ctaatattaa agaagattta acattaattc catataaaga 240
ggctcttact gagcatagat cataacaaag caatattatt tacaatccac caaaaagaac 300
cataaatggg agatttatat acattgtgga atacctttct atanaaaagt tagtggtaaa 360
tgacgactaa caaatgtctt cattctt 387

<210> 24771
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24771

tgcttgtgga gcttctatgg aagctggatc tttgattctt aatgaggtcc ttcaatggtg 60
atttttcacc atagagatgc agcgaaggc aaaggagaag aggagagggg aggcaccatc 120

cactagggaa taagccaagg aagaaggagc ttcaccacca agaattgcct tggataagaa 180
gcttgaagag gatgctttaa tggaggaaaa gaaagagaga agggggggagc acgaaattga 240
aggaataaaa gagggagaga agtgggaactt tgaagtatgt ctaacaagac tctcattcat 300
canagttaca accagtgtta cacatgcttc tattcataga ctaggtagct tccttgagaa 360
gctntcttga gaaaacttcc ttgagaaagc ttcttgagaa aacttccttg 410

<210> 24772
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24772

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gtgttttcgat gataacaatg atgataacaa aagatgatgg caaaggtgat gacaaaaagc 120
tcacagatca atcaaagaac aactcatgcg atcaagttag aatcaagaac aattcaagag 180
ttcaagatag aatcaagaag aattcaagac tcatgacgaa aggtaagagt caagaatcat 240
gattcaaggt tcaagatctc aaaaatcaag atcatgattc aagactcaag attcaagaat 300
caagagaagg cttaatcaag ataagcacga caagtttttc tcaaaaattg agtagcacat 360
gattnttctc agaacatggt tacc 384

<210> 24773
<211> 352
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24773

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aacgctttct aacctttggt aacgatgga tcttctcgaa atttggactg caactttaca 120
agacactttt ccatgatctg accgttggga tctttgagaa aatatctgga gtgtactcga 180
agcttccggt cccgagagta tttcttattt aagcactgta gcctttgctt tcatgtatct 240
caagaaaaac aacatttctt cttctatctt tctttcaaag ccatatataa agttccaagc 300
gctttctcca tcatccacag ccactattat ccaccacaaa ccatcattgt tc 352

<210> 24774
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24774

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 tgccaagaat aaaaaatcct tctagattgc atcatttgca catttacaat atcaatgacc 120
 atcatgacaa aagagcattt gcaagagaaa ttcatgtata caatatgatg attttggaaa 180
 cctatataag aaacaatatt gtttataaaa tatacagctc atacctcttc agaaccctaaa 240
 ggaggttgcc ttggttttcc ccatactaac gataaattat caaactgcc aagagagaaac 300
 aaaagatgat gtcattaata ttatacagtg taaaatggaa caggggaaat aaaggcccta 360
 taaatttttg caaatatgag cagtatcata natcaattca taacaata 408

<210> 24775
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24775

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 aacaaagtat ccggctctta gatctgcaan gaggcgcac attggtgctg cttcactcta 120
 tacaagctgg gcgaatgcaa catgccaaaa gagacgggag gttgcctgca ctttggcata 180
 agcctatgat caaagagctt caccaccaag agttgccttt gattagaaac ttgtagagga 240
 tgctctaatt gatgaaaaga aagagagaat gggggagcac gaaattgtag gaattaaaga 300
 aggagagaca gggaactttg aagaatgtct atcaagactc tcattctctt aactcacaag 360
 cagcgttacc catgcttcta ttcttagaca acgaagcttt cttagaaaac gttcttgaga 420
 agacttcttt gagaagctct ttgagaaaac ttcttcgcga gctaaacctn 470

<210> 24776
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 24776

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agcttcctac atattagtag aggatgatag ctcaatgcc a gcatgatag ggtgtgcacc 60
cttttgcttc agcaagtaat atggttggtg agatcgaata atacttagcc tttttcactt 120
tgtagagctt aaggctggaa ggttggtgtac tctcttgtct agttgttgat tgtaaaatac 180
tctaacatgg aatcctttat actagaaaaa tattatTTTT agtaaaagga ttttttagat 240
taaaaaaaaa aggaaaggaa ggtgtattta tcaaataaaa gctataaata gcaatagcct 300
atgcgaaaag tcctgtggtt ntgcaggagg gtgggttaag aaccaacat gaacatactc 360
tcggtgcatg taagtatgga ttt 383
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<210> 24777
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24777

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ggttttcta at gactcctctg cggcttccac ataaggcata gaggatgggc agctcaccaa 120
gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg 180
gtggagtgtt gaggggaacaa ctctactga gtggatccac gggcgcccca acagacagct 240
gtagggaggg ttaatatcca ttatttgga agtaacttga caggtgtgag ggcctatctg 300
tactngaga tcgaactctc ccctaacctc tcggcggtg cgcgcgaagg tacgaaccac 360
cattgaactt ggttntaagt gggaggcatt gaatggtaat ttct 404
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<210> 24778
<211> 424
<212> DNA
<213> Glycine max

<400> 24778

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aatcgtcaaa aaaccttttg gactgcaatg caactgggtg taagcagctc aatttggtta 120
gcagggatca aaagatcaac aaacgatagt ccctgaatga aattagggtg tgacacaagt 180
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aattttcaac tgtagtgtga tattgttagc attttgtttt gtttgtggta gtttcacgtg 240
gactcgagta caagtacttg cgatgactag aactctgttc tagtaatgtt ggcacgatgt 300
tgagatacgt gtaacgtgag tgcgtgatga gacacaaaaa gtgtgagatg aagagagtct 360
catgaggcat tccgactatg gtaatgatgg agatcatgaa agagaagttc caatgacaat 420
atta 424

<210> 24779
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24779

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atcagaagtg tggaggtgaa gctggagaag atgggaagta aggttgtggc agaggactcc 120
ataccagtgg caacagttgg tattattatg attccaagac caaagcctat ttgaaggatc 180
attcagatta ttcttaaact tcataagtgt ctcacgctca cttgggatgc acacactctc 240
tctgcaaggt aacctacata accaaaggtg gagaaagaca agaataataa tggaggagga 300
attcatgatc acacaagaat atatagaana caagtgtagt tgttggttct gcatataaat 360
catcaaactt ctattatnta tact 384

<210> 24780
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24780

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cttacccttt tggatgtgac atcatggcag ataggtccca actttccatc gtggattcag 120
tcacaaaaca aacttctata tgttgactg tctaacacag ggattttaga ttctattccc 180
acttggttct gggaagcaca ttctcagctt ttgtatttaa acctctctca taatcatatc 240
catggtgagc ttgtgactac aataaaaaat ccaatatcta tccaaactgg tgatctaagc 300
acaaatcact tatgtggtaa attaccctat ctttcaaatg atgtgtatga cttagacctt 360

tcaaccaatt cattctctga atccatgcc aattttttat gtaacaatc

409

<210> 24781
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24781

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tgaatcaaac atgaattaga aaagaagggt aacttgcaat ttaatgtaga aaccaatttt 120
gatatagaga ttaaattgaa attgaaagat ggcaagtata gcacatcttc taaatgtaaa 180
aactccgtaa atttgactgt tctagagtgt gtggctatga cttgttgacc agtangtagg 240
cgaactacta tcggatttat ttctctatat gtagtataac aagtcaatga ggaggcaata 300
tgatctataa aactagaatc caaaatctat gttgcagctt caggcttttg aacattacaa 360
acaagggata gtatattacc tatgc 385

<210> 24782
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24782

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aaagttcggg ttcgtcgttc tgccatacca ttcattgctag gttttcctac atagtgtatt 120
gcggaacaat tccacactct ttgagaaaaa atgcaaaagg tcctggacgt tctcttgatc 180
catcatattt gccattgtac tcgccaccac gatcagattt gagagcctta attttctttc 240
caagttgaag ttcaacttta tgcttgaaac tcttaaaaag tctagggatt gggacttcgc 300
atgcatcaca tacaagtaac cgtatctaga gtagtcatct atgaacaaga taaaatattg 360
ttgcctattc caagaagggt tnggaaaaag atatcacatg cccgtatgta ctaattct 418

<210> 24783
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24783

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tattaagttc agtgcgcaat cacaactaga agtgaggaaa agtaatgctg ataccaaat 120
gaactaaaa aaacaacagc atcaatggca tcaaacaaaa gcatagtgcc aaaccaaata 180
acttatagaa cattaagaag catgagtttc tagattcatg ataataccgt aacaaaagaa 240
gaaacttccc tatttactaa tttctagaan agccatgagt tttctattca gaatcccaca 300
ctctcacgtt ctgtttataa ggacaataaa aataactaac aataatatgg ctttgccact 360
tctaaaattg canatcagta caccatacga acccaatgat 400

<210> 24784
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24784

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gagtttaaaa agcaatcgaa tcatcaatca tctttgaatc atctatcttc aatcttttnc 120
acatcatctc tcaaacatct ttcaatcaat ctttcaatat ctttctacag aatttttctg 180
attcatttct cttcatcttt ctaaaatttt gttatcaaca ctttttcttc cgagaaaagt 240
tcttcgttca aaaacttggtg gtattcatct tttgcattct cttttccctt tgccaaaaga 300
acgaaagact aaccgcctga attcttttga gtctctcttc ttccctttcc cttaagcaaa 360
atatgtcaaa ggactaactg cctgagatat ctnttgtttc ccctttacaa agattcaaag 420
gactaaccgc ctgagaat 438

<210> 24785
<211> 394
<212> DNA
<213> Glycine max

<400> 24785

agttggtagt atgaagaaga agggacaaca taggatggtc attcaagaaa caatctctga 60
acaaagccta gacataatgg ctagtgtgac tcttatcgac cgagaatgaa tgattgagat 120

ttggaacatc ttggagaaag gctcactcct ataaaatcca acaataacaa aaaagctcat 180
aaggaatgcc aactattatg taatagaggg aaaagaccta tacaaaagag gctttacaac 240
acctctgtta aaatgcctaa ccgaagacca atctgaatat gtgatagaag agatgcttag 300
aggaatatgt ggaatacact caggttctcg attgatggaa acatgtgttc tcaaagccag 360
atactactga ctgatgatga gaatagattg cata 394

<210> 24786
<211> 429
<212> DNA
<213> Glycine max

<400> 24786

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gatcttagcc tttttgtaaa aaggttcaac aagttcctaa aattcagagg aaatcaaagg 120
aaaccaaatt ttaaacctaa aagaaggaca gaagattcat cctctactac aaaatgcttt 180
gaatgcaatc aacctggaca tttgagggtc gattgcccaa tcttcaagaa aagaatggag 240
aaatctgaaa agaaaaatth cagtgaaaag aagatgaaga aggcctacat cacatgggat 300
gaaaatgata tggaatcatc tgaggattca aaaatgaaga gataaaccta tgtctaata 360
ctaaaagtta tgaaagcgat gaagagttaa catctacaaa taacaattta tccatttctt 420
ttgatgaat 429

<210> 24787
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24787

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ccctatctct aacaatatat tttagtttat tacgacaata taattttttt ttgtgttaac 120
tttatttatt atgagatatt atatattttg tcatgataat atattttaaa tttgaagtat 180
gaattaatca atcaatttat gttagttata tatataatth aattttttta atatatatcg 240
agtcaaactg gttcaattag caatccttgg ttcgactact aatttattga tccaatgtct 300

caactgattt gattatcggg ttagttttta taatactacc ttntgcactc tactttaatt 360
tcaattttta tttaaattccc ctttattttg atttctctaaa tcaa 404

<210> 24788
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24788

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accngcagtt ttgcagttat tcaacatttt atacaagaag gganagcagc aggacgaaac 120
ctaaacggga cagcttggag cataatgcta caaaaaggca tgtgatgacg gggcacatca 180
cttacgatta agaggacggg aggatcacag aataacattg gaatccatat gcgataaaac 240
cgctgaaatg ggtcaatcta acaggctcaa gactcttctg acgaaacagg ggaagctgcc 300
ttcagtttgc attaggcaag ggacatactg aagcttatat acactcgcat ctgtggtaca 360
ggagctaaat ttgctattca tcaacatact ggacacatgc atggactacc tcttgactac 420
cagtaaggca atcttttggc gtgtttgcca gcaaaagct 459

<210> 24789
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24789

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catctcaatc atttgccatg cagcgtacat agtgcaaadc catgaaagga gcaatattgt 120
aacgccccaa cccctgccac aacaaagaaa catgcatgca tgaaggccat aacaatagaa 180
taatgataca gtataaacac tccataataa taattttatt ttctattcat tgactattta 240
ataagagtgt ttttaggtat atacaagaaa caaactctgg atacatattt attatgaagt 300
gatgatgcat gaaaagagaa gatgagaata ccatcctagc tctgacatgg cgtatgggat 360
accagcaca ccagctgcaa caacagcagt gacattgtga aaagcatagt accacca 417

<210> 24790

<211> 377
<212> DNA
<213> Glycine max

<400> 24790

agtttgactt tggtttaaac atgattgata catgatttgg gacttgtagg atttgatttg 60
ggcaagattg gatgagggaa agtgtgactt tcgaaatctg cacttatgca gaatttgggt 120
gtgaaattat gtagcagaat tttgcataag tgcaggaaaa tacttggtgtg tggttagctg 180
tgggaagagt agtgcagaat gagttatgga tgtttgctag tagatcaciaa cggtcacaaat 240
gtaggattat gtattagaga ctcccagtac aattttcgag tcgatccaac gggttaacaaa 300
ctggaacaaa ggaattgtta ctgggggtctt taagtgagaa aagtgtgatc atgggttggtg 360
ttttgggcag agttttc 377

<210> 24791
<211> 419
<212> DNA
<213> Glycine max

<400> 24791

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attttgttta ctttttatac cccctgttga catgcttaag ccattttact taagccattt 120
ctcgcttaac ttaaaaataa aataaatttc caccgaacgt ttgaattgta ttatccgtta 180
acttcgggta aaataaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
aagaggtaaa aataatataa taatcaaaaa aaaaaaaaaa acatctttta gtaaaataaa 300
ccggaaaatc aatcggacgt tttctctttg ggattttctca ttcttaatcg aattgagtaa 360
taactaaagt gaaactaagg ctaaaatcaa ctgcctagt caagctcgtc cacaaaaat 419

<210> 24792
<211> 393
<212> DNA
<213> Glycine max

<400> 24792

tttcatgcaa gcttaaacat agttctatag aattcattaa ggtgttgcta tctttcacct 60
acaaatggaa aaacatgatt tctactctcc cattagaaaa taacaagttg ttatatgtca 120

cctaccatat ggttatacta tataactaatt gctgagcaaa aaaaaataact atataactaat 180
 tgccattctt aataaattat atattaatga gattttattg gggctttttc tttattgtaa 240
 ctcagtggat gatttttatg ccaactacat caaaccaacc attgtaaatc atatgttgac 300
 tacgttggct tggatttttc tttgctatta tttttctgta gtacctcaat aaatagattg 360
 taaaccaacc gcttacaatt tatagcgta agc 393

<210> 24793
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 24793

tccctccaat actgctttga aacaatggat cagattattc aaagtatatt gcatttggat 60
 cttatgggta gaaccctac agtatgccat acaagtagag aatagtagga actatatatg 120
 gtgtcaattg tttcaaagca gtatgtgtga gaagcttaga tgtaatttgg tcttttggga 180
 aaagaggaaa gctagagatt ttctttttat gtgaaggagg gaagcttgac attttgtttt 240
 ttctggtcga ggagggaatt atatacatga ggtaaataat tgaaaatttc gataacttaaa 300
 agactttcca aattgaataa tttattattt tttaatatat tttacacatt gatgttagaa 360
 tatattttaa tatctctctg aacgaataac ttaccaata ataatactat taac 414

<210> 24794
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24794

agttttcttc aaagcttcaa aatcaatgcc tggaacact ttcattggtg ctttcatgat 60
 atatttttaa aataaaaaat aaaaaaaggg aagcccataa catacactga aaacctgccc 120
 agttattatc atcagcagta gcatcagctg cccctgagcc cttttcattt ggatcatcca 180
 tagacaacat gtcaaaaagg tccgtagcat agtcaacttt tgaaggggaa ttttgtgttg 240
 tgtcagtagt ctgttttgaa gtttcagctt gtggatgatg tgcaacaggt tccactttct 300
 caacatgttg aggttntgcc acagtagtta cctgttcaga aatttaattg ttttacacgt 360
 ctaananagt ataaaccatg aaactttc 388

<210> 24795
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 24795

tgcagcctga taaaatataa gctatatattt ttctatttca ctgcaaaaaa ctgaatatatt 60
 tctgttactc atactttttat gcaggcagat tgaaatagac aacaaatttt tggaagcaca 120
 acaaattatg gactagcaat gcttgcagag gaagggtgcat ctcttgtctc ctttattgac 180
 ttatgttatt gcttttttcta gtacaactta taaacatgaa ctgatccggt taaaaacttt 240
 gttatgctaa taatgatttg gtagaccctc tggaggatga actgatccta tattttcttcc 300
 ctctcttttat tcctatatatt ctcttttatt catgaactag gaatacgcaa atcttttagat 360
 aatggaattg tagaatgtgg aggagacacg gtatatgtca aatcattcac aat 413

<210> 24796
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24796

agtcttaggg aaagccaaag atagaatcat tgattagaca attgctgggt gttttcccaa 60
 gagatagata gagttgttgc accactacca cgtacacata catacacatc tacacaaaag 120
 aaaggagaca tagagagaac attctgttat tttctaactt tttgcttttt ctggttgctc 180
 aataaacaaa tagatcttgt tttatatact tacctagcta cgtccagcat ttgcttggtt 240
 tattgtgttt agtggtttctt acatttgcac gcatactcat atccactgtt cattcatacc 300
 attctcagtt tctggcattt tgtctgatca gtcaacaaaa tataaatcac taattccatt 360
 ttgtttattc caagtcttac catggttc 388

<210> 24797
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24797

agcttttatc cacacagttc aaaccacttg ttcacaaacc aatatagcat ctgggttttc 60

cccctaagt ctcaactttt aatctatata agcaccaaac tcacactcac ttgaagtcac 120
 agttgcaagt tcaactacta atatcatatc acaaaatagt ggaggattat tagggaagtt 180
 tgattagttt gaaactgcac caattttattg gaaaaaaaaa acaagcttgc aaagacccag 240
 tgacataaaa acattttattg aaaaaaaaaac aagcttgcaa aagctcacia aaatgagaaa 300
 tgaagcaaat acgtaccttg cattgatggt agactccaac gaatacggcg gtcacgaacc 360
 ccagcgacga tgatggtgag gagcagat 388

<210> 24798
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 24798
 agctttgacc atttgaattt ctgagagct tccgttggtc aatttcgagc gtctcgatat 60
 attatgtgcc tgaatcggac atcctagtga aaagttatga tcatttgaat tgctcaagag 120
 cttccattgt tcaatttcga acgtctcgat atattatgcg cctgaatcgg acatccgagt 180
 gaaaagctat taccatttga attgctcaaa agattccatt gttcaatttc gaacatctcg 240
 atatcttatg cgcctgaatc ggacatccga gtgaaaagct ttgaccattt gaattgctca 300
 agagcttcca ttgtccaatt gtgaacgtct cgatatatta tgcgcctgaa tcggacttcc 360
 aagtgaaaag ttatgacca 379

<210> 24799
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24799

agcttgtggc aggtattact aggggtgattc ccgacatgtc agatggcggc caagcgaaca 60
 aatccatgtt tttgtgtagg acatcaatga tgcccctgtg ctcatggcta gtgaggtctt 120
 tactgagctg cgtacactgc tcaagtttag gtttgagttg caacataacg agctctttga 180
 tgggcttttag gcctctacca gaagtgtcat catgtggatc tatactgaat tcttcgtcta 240
 ggcttgttta gtagatagct agggctcagg ttggaggtcc ttcacccacg cttatgactt 300

gagtagcttc agccgctgcg gggtaaggct tggcaggctc cctggtggga ggataagggtg 360
ctatcttcan gctttctatg ta 382

<210> 24800
<211> 381
<212> DNA
<213> Glycine max

<400> 24800

agcttctaaa cggatctcat ctagctcatt tagttgcaac tttctttcct ctccagcctg 60
atcaatagag aagttgcagg tctttacagc ccagtaggct ttgtgctcta tctctacagg 120
aagatgacat gccttgccaa agacaacccg ataaggagac attcctatgg gtgctttgta 180
ggcagtccta tgcgccccaa gagcatcatc tagcctgggtg ctccaatcct ttctgttcgg 240
ctgcacaatc ttctcctaga tcttttttat ctccctgctt gaaatctcag tctgcccatt 300
ggtttggggg tggatatggtg tgtgtcgcaa cctacccttt ggcgggcgag cgaggtgagg 360
gctcacgggt gcgtcttcca t 381

<210> 24801
<211> 378
<212> DNA
<213> Glycine max

<400> 24801

agcttgtaaa ataatggggg acccatcaca tgtggtacta tgtggcgtgc agccgatggt 60
gcacaacaag ttgtacacat gcccaaagcg cgcataaacc taccatcccc tgtggcccac 120
ctacaattga gctcacgtac tcccacgtag gccagatcct ctgggctctc aacaccgggt 180
ccacatcaat cctaccaagc ttccccaa tccaggtaaa acaacattca tacataacaa 240
actatcacag cgaagaaaac agggcatagg cagaagctct gcccaagaca cgactcataa 300
tcacagcttt ctctcactta aagaccccag taacatttcc ttcgttccaa ttcgtttaacc 360
attggtcga ctcgaaaa 378

<210> 24802
<211> 382
<212> DNA
<213> Glycine max

<400> 24802

ttgcatgcaa gtcttatgat gaatctggat tgattcaaag agttgtgatg ataacaaaga 60
tgatgactaa aagctcataa gtcataaaca cttatgatta ccactatgat gatctcatga 120
atcaaagaat gagttcaaga ttgaatcacg tacacttcag ggatcaagaa caaagttgaa 180
ttcaagaatc aagaatcaag attctagatt caagaatcaa gagaagactc aattcagata 240
agtattaaaa agttttttcg aaaactgagt agcacatgaa ttcttttctca aaacctttta 300
ccaaacagtt ctactctctg gtaatcgatt actagattat tgtaatcgat tacttagtag 360
caaaatgggt ttcagaaaga at 382

<210> 24803

<211> 373

<212> DNA

<213> Glycine max

<400> 24803

agcttcaaca atcacattca tggctacaca caaaagaaag gagttaaata gtcatatgtt 60
tacacatcaa gagagacaca ctcatccaag gcatatatag ttcaaaaggt ttgcacaaca 120
caaatccaca catcaagaga gagataacct tattgccaat atacacacaa gaagataagg 180
gctcattaag gcattatcaa tcaatattaa gactacctgt gcggcggtccc taaataatga 240
ctggtttaat agtaataaat caaatcgag aaaccatgga atttttcttt tttgactgt 300
tattcatttc acggttaatta aattcagaag gaaaattatc actataaagt cctgaatggc 360
tagttcaca ctc 373

<210> 24804

<211> 370

<212> DNA

<213> Glycine max

<400> 24804

atcttatgac atttggatga tcaagcctcc gcagcacaat gatttcctt gacataaaac 60
ggacactttc tggatccata ttatcaaac gaaccttctt gagtgaaca attgtatttg 120
tttcgagatc acgagctcta taaacactgc tgtaagatcc ttggccaatc tgcacatga 180
taggaaagtt aagtcattaa gaaaaagcta ttgggaaggt ttgaaaaatg taatgttggt 240

gatggagata ataataataa ataagaaagc aatggtggag gctgtaatga ggatttgcct 300
 tatccaactt ctcaaaggaa tcagccctgc gaggtatcca accaataatg gcttcaccag 360
 caactgctgt 370

<210> 24805
 <211> 358
 <212> DNA
 <213> Glycine max
 <400> 24805

agctttgtca cctctttcaa aaaaccaaga gatcattaat ggtccaatgc cttaatgttt 60
 tctctccttt caaaagaatt gaaagattgt ttaatgggcc aatgcctcaa atgacctttc 120
 attcaatcaa aatatatctt gcaaaaaagg ataaaaaaca ttttaaccagc ttttagttct 180
 caaagaacta cgtaggtctg atttccttat cacaaattga tggatacgta ggagcaaggg 240
 aaacaccctt gtcgaccaca aaaagataaa aaatacaaaa ggcatgaaaa gacatatata 300
 gcgtaataga gggaagagaa aataaattga agtcatatat gcacacttga ttaaaggc 358

<210> 24806
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 24806

agcttgtaga attcacccca attctggtgt cgtatgctaa cttactccca tatctactca 60
 ataatgcaat ggtagccata accctagcca aggttcctca acctccattt ttccggggat 120
 acaactcaaa tgcaacatgt gcttatcatg gaggagtttt ggggcattcc attgagcatt 180
 gtatgaccct gaaacataag gtgcaaattc taattgatgc gggcaggcta aaatttgagg 240
 aggataatca cttgtgaatt ctggcgttgg caagcgacac tatgcatggg gcaatttgaa 300
 gggttttggg agatgtctcc aatgacttat taggattttt aagtttatgc cattattgta 360
 aacaacag 368

<210> 24807
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 24807

agtttgagag aacaaattca gagagcaagg agcagcagga ggaggcaaat ttggacactg 60

atacaataaa aaatatttat gttaataagt agtaacaaat aaaaacagaa aaatataata 120

agtgaagaaga gtgttaccaa attatagaac aagtgtatga actgaatgat aatggactga 180

aaatgaactg gtgaggatgg aaatggaaac cgaaattttt tctaagtttc aaaaacacaa 240

cattgagcat gaggataaac acgcggtttg gctatatagt gtaaaaaaac ccagagaata 300

actcacggaa tgccctcac aaaacaacag agtcaaaggc taacctccta gcttcagcta 360

tatg 364

<210> 24808

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24808

agctttgttt tgtaacagta ttttatgtag ccatgagccc atgacataca ttgataaaca 60

gtattcagta tgagaagggtg gtgggttggt ntagaaaaaa tttactgcac tatatatata 120

atttccatca acttgttatg attaacgttt catttttagtt ttttaattga agcaatattt 180

tgtgtcacat acaacgctgc atttgacaga agtaataaat agttgtcaat ttaaagggag 240

cactaattca tgatacaagg aaattatata aaggcattta ctatcatttt aaatgagata 300

ttttttcttt aattatattt tttttattcc taagatttan aatcttactt tagaaatcga 360

attcaatatt actcagatca aatcaata 388

<210> 24809

<211> 388

<212> DNA

<213> Glycine max

<400> 24809

agtcttatat caacatacat aagtgtagtt gtcgagcgtc atatttgttg atgtgaattg 60

ggctatcatc aggactatga atatcctcaa cttgacaatg acctgcaaaa tgggcagctt 120

ggttacacaa aaaacactaa tcttgtcgat gcaactagcc attgagaata caatgcattg 180

tccaagggtt ttggtgcaga gaaaatgaaa taaaaaatat gtatatattt tctcaaataa 240

ttgtcaataa ttgtacaaac ttatttataa tgtttacagt aaacatcaaa tacaacatag 300
 tggttcgtcc tatgacatcc aaacctttct agatcggatg tttttaactt ttaaaaaatt 360
 tgccacccat ttcttgcaaa tttttggt 388

<210> 24810
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 24810

agctttgagc caaaatcttg actcaccata aaccttgacc cagggtgaga atgccaatcc 60
 ttaccctcgg aagcaaaaaa aagaagagaa ggaaaatttc caatcaaagg aaaaaggaga 120
 aggaaaattt ccaatcaaag aggaagcaaa aaaggagaga aggaaaattt ccaatcaaag 180
 gaaaaaagag aggaaggaa attcccaatc aaagagtggg agaaagcaaa aagaaaagaa 240
 agaaaattcc caatcaaaga atgggagaaa gaaaaaagag aagtaaaaaa gaagatagtt 300
 cctgatcaaa gaaactagaa gaaatgtgca gaaaggcttt ttgaccagac gatattctgaa 360
 caatacagaa ttgtcaccaa atgaacaaa 389

<210> 24811
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 24811

atctgcttct cttttttttg tatttttttt tttacttttg catgtcttat ttcaagggac 60
 attgtctctc tttgctgaat ttcttatttt tgtgaagttg atggacatgt gaaatgtgaa 120
 aagtggattc gtgatgacaa taatcgttct gaagagtgga aggcgacatg gtggttaaac 180
 agattgatag ggcgaaaaaa gaaggtgacg gtagactggc catatccttt tgctgagggc 240
 aagttatttg ttctcaccat aagtgtggc ttggaaggtt accatgttag tgtggatggg 300
 aggcattgta catcctttcc ctatcgcacg gtgcataccc aaatcatatc tccttctgta 360
 tgcattgcagg aatattgtat t 381

<210> 24812
 <211> 371

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24812

 atcttgagtt gcgggttttgc tgccattggt gctgggggta gcatacttgg gaattagaag 60
 gcacttgcat tatcggttaca atttgttgca tgctggagga gtcaatggcc acaagtatga 120
 tacacaagag tatgcctata cgacaccgga tggatatgtc aaccaccctg ctgaccattt 180
 gatcagcagt cagggggacgt cttttggccg gaacatgcct ccgacgacct tagattatgg 240
 gttggacttg aaattttgta tgattttag atgttcttgt tccttttagt accaacatcc 300
 aactactttt tctcatgtta ataaaggtaa ttcgacttgt atgtatgtca ttgtgtgcag 360
 ttactggacc c 371

<210> 24813
 <211> 375
 <212> DNA
 <213> Glycine max

 <400> 24813

 atcttgatgc atataaaata ttcaaataat gtctaggta attgtaataa ttacattaat 60
 taagataatc gtaatctatg tacttgatat cagtctatat aattaaactc aaatgtgttg 120
 cttaaacata caaatatcac catatgtttc tctttttctt tttccttaac aaaactcgta 180
 ctaaaccatg aagattacac ttaattgaat aacctatgga agcaattcat aggcacaatg 240
 aaaacctata cattttggct agatccatgg caatgtcaaa ccatgagtac tctactattt 300
 ccattagaaa tgtagaacag tcaaagtctt atatctaccc aaaaatttga gttcataaca 360
 aaattgttct ttcac 375

<210> 24814
 <211> 382
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24814

 agcttgtgca gagttgtgag caacaaaggg atctaaaaaa tataaactaa aaattaataa 60
 tcaaatagta ttgataaaaa aaatgtgcat aaatcaagta caaatccttc aaaacaaagt 120

aagatcaaat agtaatttta gcagaaaaga gaaaaagaag caaaaaaaaa aagataagca 180
 actaaagtta gaagctaaac gtaagaacaa aacccaaacc attgtaattt aaggtgtgtg 240
 tgagagaact gagccgaagg aattgtgacc tatgaagaac aaatcaaagt gaaaatgcat 300
 agaagagtgt cttttttttt aaactaagaa atatatactt tacggcatgg ntcttgaca 360
 accatatcat aatcatccct tg 382

<210> 24815
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 24815

agcttgtgtt gggaatttta aaggcaacca tcaaactttt caaaatccat tagtagatat 60
 caciaaact cagccaaaga gcaatgacct cctaaacaga cgaagcaaaa ctattaataa 120
 tatctgtaga atttgaaata atttactgaa tgaatttgtt gctacatctt catcgtgtgc 180
 tacacacaca gataatgaaa gccatgatca tagcattgta cctgaacaca caaatgatcc 240
 tcttgatcag acatatgaag gctatccaaa tgaaactact cgaaatgcag gtaacaataa 300
 taatcagact atataaaaaa taatattgca ttattaatgt tgggttttat gcagaaacca 360
 atcataattt acta 374

<210> 24816
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 24816

agcttgggag gatttatggg gaccggtgt tgagagaaac gaggataatg gctacgtggg 60
 agtacgtgag ctcatattgaa ggtgggcaac aggggatggt gggtttatat atgatttgtg 120
 gatgtggaga attgttttgc accatcgccc gaccaccacc tagtaccaca tgtgatgggt 180
 accccataat cctacgagct tgaattgatg aagtgtataa tggtgaaact tcctgctttt 240
 attcgttgac cacagagtgg tacctagaga tatgttgagg gggcaagag accttgtgga 300
 catcacgtgg cgtgctattg cccaatacca agcttgacca atcccgaccc aaccgggca 360
 tagtcagtca 370

<210> 24817
 <211> 190
 <212> DNA
 <213> Glycine max

 <400> 24817

 agcttatcac gaagtgccac caagaacaac gttttgttgg gctgaagcc caattccata 60
 acctcccgaa ccgcacacctg aaacgtgggg gcattggcaa cgagcgagca agcccagtag 120
 cgaagcaaca taacaacctt ggattccggg acatcgttgt ggaggagaaa ttgaatgttg 180
 aggagggggg 190

<210> 24818
 <211> 365
 <212> DNA
 <213> Glycine max

 <400> 24818

 agcttgaaga ggatgcttta atggaggaaa agaaagagag acagtgggag cacgaacttg 60
 aaggaataaa agaggggaaag aagtggagct ctgaagtgt tctcataaga ctttcattca 120
 tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc ttccttgaga 180
 agctttctta agaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 240
 agtttagcta cacacacca tctaagaact aagctcacct acttgagaag cttccttgag 300
 aagctagagc ttatctacac acacccatct aaaaactaag ctcaccacaca tgacatatata 360
 acatg 365

<210> 24819
 <211> 362
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 24819

 agtttgtcca ataatatatta gtttgagttt gagtacttct tataaaaaaa attagttttg 60
 atcctttgat caaatatatt atatatttaa caaattaatt tatcatatgt ataatgtatg 120
 tacttatacc ttatcaaaat caaaataaac cattaactca aattagtaat tntcaaccct 180

gtacatgttt agttcaatth aacttatthh ctthaaataa taattcattt tttagtthaa 240
 ttcttatata tththtaaggt tctcactgtt atatgttatt tctaaaataa tcattaaaaa 300
 atcaataatt ttcaattata tgaaaattca taattaaaaat aataacgtta taccttaatt 360
 aa 362

<210> 24820
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24820

agctttgaat gcactattca atggagttga caagaacatc ttcagactga tcaacacttg 60
 cacagtggcc aaagatgcat gggagatcct gaaaatcact catgaaggaa cctccaaagt 120
 gaagatgtcc agattgcaac tcttggtac aaaattcgaa aatctgaaga tgaatgagga 180
 agagtgtatt catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt 240
 gggagagagg ataacagatg aaaagctggt gagaaagatc ctcagatcct tgccaaagag 300
 atttgacatg aaagtcactg caatagagga ggccaagac atttgcaaca tgagagtaga 360
 tgaactcatt ggttctcttc 380

<210> 24821
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24821

agctttgctt cctatttctt ctctggtttt tcttttcttg ttgcctttgg tttttctttt 60
 cttgctgctt gatgcctctg gttttccttc gtttagtgtg gactgtggtg ttccacttta 120
 ttctttaaac atttacacac tctctctctt tggcagttat ctactgggta ttacatgttt 180
 ctccattttt ttattttatt gtaaaaagca acttctcatt gtaaaaagca cgtaggcctt 240
 taaagtatcc cactttatth tattgtaaag gttgttttct ctctctcaca cacacacata 300
 ccacttttcc cttctaaatg catttacctt tattttattg taaaaagcaa cttctcattg 360
 taaaaagcac gtaggccttt 380

<210> 24822

<211> 384
 <212> DNA
 <213> Glycine max

<400> 24822

agctttaaga aataatgatt ctaaaatttt tattttctta tttatgatta aggaagcatg 60
 atatttttaa ttactattaa aatattaaat gtgtttattt ttattgataa tattaggaag 120
 atttacaacg aatttttagg atttctcttt taagaaaaga gtagatttaa atagcaatcc 180
 catggaaggg aagtatttgc cagcagatgt tctgcccttt cacctccata aacacagaag 240
 aactgtttgt tgttggtttt gtacgtatac aatacaatct tccacttgaa ccgaatctaa 300
 cagccttttt tacgtgtttt gtttatattg atcattgccc catctttaac caacacaata 360
 accaaagttg tttgtcattg aata 384

<210> 24823
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24823

agcttgaang caagactata cgaggtatct tccttgggta tagcaatatc tctaagggct 60
 accgggtcta caacttccaa actaagaaac tcgtcatcag tcgagatgtt gaagttgatg 120
 aatatgcttc atggaattgg gatgaagaaa aagtggagaa gaacgttctt ataccgctc 180
 aactacctca agaagaagat gaggaagaag acccaggtga accactttca cctccatcac 240
 aacaacaaga tcaagaacta tcatcaccag agtttactcc aagacgaata agatctttgg 300
 tggacatata tgaaacctgt aacttggcca tacttgaacc tggaagctnt gaagaagcat 360
 canagcagga agtatgggtc aa 382

<210> 24824
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24824

agcttcaact acaccttaaa agtcttgtga atagcatcga gtatcatgtt aggatctagg 60
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gatgctagcc tttcggggca cccaagtgc ctgagaatgc tcatagaatg atatttgagt 180
 agttttcccc ttgggttaca attaatgata tcccatatga tgattaggggt cactcctcta 240
 ccctgcccct aaatacaccg gtactagaga tatgttgcta tgagagatgt taagggtaat 300
 ggaaaatcca ataacgctg agacgttagg tgaatgccaa gacctttaga caacaccaag 360
 aggaggtctg aatgcatcaa cgttt 385

<210> 24825
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24825

agctttaga ccttctcttc ttcacccttt cgaacataac ccggtggttg ttccacatac 60
 acgtcctctg tcaattctcc gtgaagaaat gcgcttttga catctagttg atacacattc 120
 catccctttt gtgctgctag agctaaaacc atccggattg tgtccacact tgctaccggg 180
 gcaaacactt cggtgtagtc aatcccttgt tgctgagcat agccttttagc tactagtcgg 240
 gctttgagct tatcaacttc accattctca ttttaacttg ttctaaaaac ccatttcact 300
 ccaatcttct tagcaccttt gggcaaagtt gtaagctgcc aggtttaatt ccttttgatt 360
 gcttcaatc 369

<210> 24826
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 24826

tgtttatcaa aatattcttt aagcttatga gttaagcttg taaataattc tcgcacgata 60
 aattaaatat actctaatta attaagttat ttgtttggat aattaattaa gttattgact 120
 taaatgtgta ctaattgaga tctaaataaa taatgcagtg cacaagaagt cagctcacac 180
 agaataaata atcaagttat tttttggata ggcaaagtaa taaggtagcga atattacaaa 240
 gctcttgaag tctaaggcct gaatggtacg cagaaagaaa ctctcgaagc ttgacaaatc 300
 aagacaatgt gcagctttta cattcattaa tttaggaata gggggagaaa aaactatcag 360
 tcgttaagat acatg 375

<210> 24827
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 24827

tttgctgcaa gctttccaaa gatttctgga tttctaaacc ttgaaaactt gagctattca 60
 ttcttttctt ctcttctccc ttggccaaaa agaattcgcc aaggactaac cgcttgaaat 120
 ctttttgtga ctctcttcgc ctttttccaa aagaaaaaag gactaaccgc ctaaattctt 180
 ttgtgactcc cttctccctt gtcaaagaat tcaaaacgac actgtctgag aatccttttg 240
 attcttcctt ttccctatta caaaagtgtc caaaggacta accgtctgag aattcttttg 300
 tatccccatt cacaaagtat caaaggttta atagtctgag atctttgtct taacacattg 360
 cagggtacat cctttgt 377

<210> 24828
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24828

agcttaaatt gcctcttggg tcaatgggtc ataatgtcat ccatgtttct cacttaaaga 60
 agtttaatgg tactgtact gctgggaact ttagtccttc acctttattg gatacttctc 120
 agaaagaacc tgctgctatc attgacagaa cgacagtcta gagagaaaat cgcgctgtaa 180
 ccaaagtttt ggttcaatgg aaacatcaac tacctgaaga tgcaacttgg gaattctttt 240
 atgactcgaa tcacaagctt gctcactata atccttgatg acaaggattc ttttggctgg 300
 gaggaattga tacacgctta ggaacgtatg tagttagtta gactcgattc tgtaacttc 360
 tgttagttgg a 371

<210> 24829
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24829

agttttttgt taaccaagtt gacaaatatg atccctctag tccaatggct ctatggaaaa 60

ctaccattat gattgoggaa ttgattatit tattttttta cagtaggcat gatgactata 120
tagcttaagc tctatcccct cactctatct caattttaga agttattact tgctcaatcg 180
aactttttat ttcgtgaaat acaaattggaa taaggggtga ttaatgaaaa ttgaaaaatg 240
ctaaaactag caaattttca agttttgtgga ttcttgttct ttagccttac caacatccaa 300
gttcagagcc gaacaacatt tgatagtata tttcaccaaa atgtgatttt tatagtgcta 360
gatta 365

<210> 24830
<211> 359
<212> DNA
<213> Glycine max

<400> 24830

agttttgcct ttagggcttg tacctcatca ctttcttccg aagctttaac ctcattgtct 60
ctcacagtct ttagatttgg gagccaatcc aatccttgtg tccggactct cagccattta 120
tgatagccgc cgatggtoce attactgctt ccctaagct ctctgtcctt tcttcacacc 180
gcatcccatg ccttgccaac tccttggagt accctcacgt ttgtgggtcac tgaaacctcg 240
tgcgatgaaa ggcgtgatgc tttcgtctga tgacactcct ctcatgggac atccttcgca 300
tgaagataga atcctgattc ttccttcctt ctacgcaggg aaccatttaa cagacgccc 359

<210> 24831
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24831

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tgctttgctg atggcttctt cccgttccaa gcttcaattg gagtcttgtc ttttacagac 120
ttagttggac atctgctgag tatgtaaaca gcagtgtaga ctgcttcagc ccagaatgtg 180
ttaggtagtc ccttttcctt gagcatcgat ctagccatct ccataactgt gtgattcttt 240
ctctcgga caatcttttg ttgaggagaa tatgcgactg taagttgtct ctcaatgcct 300
tcctcctcac aaaatctttc aaactcgcga gaggtgtact cntngccacg atcgcttctt 360

agttactttta tccgtttttcc ac 382

<210> 24832
<211> 384
<212> DNA
<213> Glycine max

<400> 24832

agcttatcaa catcttttctt ggagaaagag ttcttgggggt caagacatga gaagcaatca 60
agttataatgt tacttccttc actaaagcgg tgatccatct ccacacatat tttatcaata 120
gcaacataaaa aaatctctac acggtaatga tgaagattag tgatagtcct cctttctgct 180
cttgaacgac cccgaactgg tatttcgtca tccatatttg gtaccagaat acttttagca 240
acacaaaatc cttggacatc ggcaaaaaaa ttattccagc cactctctct cattgtgccc 300
aaccgagctt tgacaacatc aactaattcc atggcattca caatattaag atcttttctt 360
tgcaatatat ttgaaagctc gttt 384

<210> 24833
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24833

agcttgaact taatgattga gtctctcttt ttttaattgat cacaccaag gctgggctac 60
ataacaaacc ttgatttaac agtgttctta gtctccaata tgagactcca tgggtgatgtt 120
ctcattgttg ttcaataaga ctttctgac ctcttctgag cttatgtcta gtaccatgaa 180
caatttattt ataacagaaa gaagacaata ttacaacttt cactatgctt gacaattgct 240
ttgtgaattg ctgagagta tctctcagtc ttttgattta tatttacatc actgcataat 300
tgaatcccaa ccattcaagg attagatgaa ccatttacag caagtgtcca gaatttctta 360
acctanatat atagaagcaa tta 383

<210> 24834
<211> 381
<212> DNA
<213> Glycine max

<400> 24834

agcttgcaca agctatatat cttctatccc ggatagcaaa attttaaaca ctgatatcag 60
 atagatatga gtgcatacct gaagtcattt tggctggtga cttcaattct acgccaagag 120
 atatggtact agcattccta aaatcttaac tccccatatt cttatttttg tctagtttat 180
 aatgttcctg tttgttatat tcctatcttg cccaactctt gtcttggtat ttgaagctag 240
 gtgctagatt aagattggtg ttgcacagaa atcctgcgtg atgcattaat ctgctagcaa 300
 ctcatggtta ttgattaacc ttcaatctca aaggaaaaga gaagaatggc atagaaatag 360
 ttgctgggaa agggaaattg c 381

<210> 24835
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24835

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 aatagtccca ctctcccaat tttacacaat catattcata catcattggg gcatttcacc 120
 gagcatttgg tgagcacatg tttggacata aattgcaaga ggatggggac aatgtggcat 180
 gccccattgc ttcagaatac agcctaggcc taaggccttc tcattcaaat cctcaactca 240
 agaaaacaag cataaaaaca aaccaaaact gcccacaaaa tataagcaca tcctcacaat 300
 ttggagcacc aaaagatgaa gaanatatac caatgggaag ctaanaacat caaggattga 360
 atacttactt gtgagagtga ataataacac 390

<210> 24836
 <211> 377
 <212> DNA
 <213> Glycine max
 <400> 24836

agtcttttct tgtttctctc cccatttgaa accagcattt ttcttgagca cttcattgag 60
 aggtgctgcc aatgtgctaa aatccttcac aaatcgtcta taaaaacttg ctaagccatg 120
 aaaactctc acctcgggtca cggacttagg tgtaggcat tcttgaatag ccctaacctt 180
 ctctcatca acttgcactc cttttgaact cacaacaaaa ccaagaaaca caacatgggt 240

agtacaaaag atgcattttt caagattggc atacaattgt tcttctctaa gcacagtcaa 300
 ggcagattttt aaatgatcaa tatgcaaadc aagtgaagtg ctatagataa gaatatcatc 360
 aaagtacacc acaacga 377

<210> 24837
 <211> 374
 <212> DNA
 <213> Glycine max
 <400> 24837

atcttacaat ggcattcttg agatgatcaa cggaagtctt cgagcacgtg gattccgcca 60
 ttgatgggtca atgaaagcac cactgttatc ttggcgcttc agggccaagg aacctccaga 120
 actgagaagg agaaagaagt atcgaaagga attttattca tgattcacgt gctgaattac 180
 aaggtattta taggcgcgta taggattctc gaagcttcct aacaactaaa caactaaccc 240
 ttctaacaga ataacaacca gattcggttc ctctctccta aggetaatct ctgaaccttc 300
 acatttgatc cgtgcttcat tctgcatggc cataatcata atctttcaag tatgctggta 360
 tgaaccttgc tcgt 374

<210> 24838
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24838

ttgcatgcaa gtcttaccac ccttgctagt ataaccagcc ttctcaatgg catccatgag 60
 taaaacaaga ccctcctggt atcttgaaca ttgngagcaa atcctccgtc atctccaaca 120
 ttacatgcat cttgtccata ttttgccttg tacccttaa tacatgataa actgttctac 180
 cagaaataac caagttaact gattgtcacc atatatagat cgctgggtgag attgaaaaaa 240
 tcatggaatt tatgctatag ataatatgca gtcaggaaaa atggaattaa gattagctat 300
 caaatcatat gtaataccta cctaagaacc taatattagc acagaaagta atatctgaac 360
 tcaccaattc aactcacc 379

<210> 24839
 <211> 351

<212> DNA
<213> Glycine max

<400> 24839

atctttccct gctctctttg gctgtttcta taaatagtga tgtaagctcc attggagctt 60
ggcggcctag gatcttcttc atcaatggat tcctttgctt cttggaagaa gaatggtcgt 120
ggaatggata aggaagagag agacgagatg ccacttcaag gagaagatga gtgtacatga 180
agctcaccac cgtatgatgc cctggattag agcttggatg aggaacgaga tgaatgattg 240
gagaggatga taagagcaca aacctgcgtg ctctaatagt actctgacaa ctgatggtta 300
attgtcaaat gatcaacggt gatgaaatgc acacacatgg cctctatata t 351

<210> 24840

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24840

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cttggtctcg cttttcttct ttttcttcc tttcccttg tttttcttcc tctctaaact 120
ctctgaaccc aaaaaccctt cccctccatg tctatttatg gaaaaagcca tttggggtag 180
gggcagctcg cccaggcaag ctagtttctt aaggctgaag gtatttcatg gcttaggcaa 240
gctagacact agcctgngtg agctagtgtc tagaaaattc cagaaaatga ccatgtgtga 300
ccccttggcc ttgcaactgta attgggtgcc aacaccgtaa tttgactagc agtgatcaaa 360
acatcatatc cgaatga 377

<210> 24841

<211> 366

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24841

agcttaagtg tttaggctca ttccatcata aacaactaac acaagtccca acctttgcat 60
ttcatctcat atcatacaac aatgaacacc caaaattgaa tccgcaggac tttctaggct 120
tgtaatgggg ttaggcttcc aaaaaatcat ggtttttctt agattcaaaa gcttaggttc 180

taggagagca ttcattccata gataaacctt cactttttca ttcattcaca tcccatactt 240
gcctttttatt taggcaactcg gcttcatttc attattttgc agcatacaca cttattaatt 300
tcattntttt atttttattt ttttaacaca agatatacaa ataaattatg tgtatataca 360
gaaata 366

<210> 24842
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24842

nctgacgcac tggctatgac nctnnnttga ttccttcga caccanggc gaattnnagc 60
tcggaccccg gatccttata gtcacctgca gcctgcagtt ttttaaccca accttttaac 120
cttcatgcca gaagacctac tctgggctag gaatccaaat tttggtttta aaaataaaaa 180
agcctgaaaa ataagaactg cctggggagaa gttttgctcg aatttgggct ggcccatggt 240
tgatactttg cacctaagta atatgaaaaa caccttgcaa tagtatgtat atataggtca 300
ataaaagggg catggaaatt ctttgacagg gtgaaagaat aatgaagccc ttcctaataga 360
atgatgatac acaaattcct tttgatgcaa tgtggcatat gtaaattgctt gcatatgata 420
atggagggaa caataaaatt 440

<210> 24843
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24843

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cattggctcc cagggttagtg gattaggcaa aatagaccaa tacaaactca cgggttaagt 120
cacctaacct attgatccaa agtttacatt gtcacctcta cattagtgc tttttgttgc 180
ctttgtttcc ttttaagcttt ttgtgtataa aatatattt tttcttgtgt gaaatatttg 240
tttgtaattc agttttaact atataataaa attgatgggt aagttaata tatatttaaa 300
cagtcttgat catttgatta tgaggacttg gataaaattt atattcttca nagttttgtt 360

aatataactt gttaaataata attctat

387

<210> 24844
<211> 303
<212> DNA
<213> Glycine max

<400> 24844

atcttggaag ccataacta attaatatac gatagttcta caatctccat gtacgcgaat 60
taaatagaaac aaattgcata ccaaaacgaa tgccttgaaa gataaaggaa caacacacac 120
attacaagca acaaaagaa aaataataac tgaaacttag atttatgtac tgcacacaac 180
gcaattatta tggactatca ttacctctgc attaggtaat ctacaatcca ataagaccga 240
tactagctat tgcggccacg tattcgagtt aactcggacg gaaagttaat atcatattca 300
cta 303

<210> 24845
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24845

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tccagaagca acagccttct ggaggaatct tctggagggc caagtgggccc tggttgctat 120
ttgcactccc atttttacta agtacacccc ctgccttttt ttttgtgatt ctttnttcgt 180
aaagttatgg aaacttacga attttgtaac gatacttggtt ttctttccgt aatgttacgg 240
aaccttggtg attacataat catccccctt ttgaattacg gaatgttacg gaacctcact 300
aattgtgcaa cgatgcttcc attagatttc cgggtgtgtca cagaacctta cggattgtgc 360
atcaatat 368

<210> 24846
<211> 359
<212> DNA
<213> Glycine max

<400> 24846

agtttgtaag tgggttttga tgaaccaact atatcaactg ttggattcat ctaatttata 60
 tgggttccaat ttacaccact cacactaaat ttattgcttc cctcctagca accttctgat 120
 caccatttgc cggtgacgga ggcaattcct ggcaacggcg ttttttttaa tcctttcctc 180
 accacctttg atcctttctc tccccatcaa tcccttgtct tcgactgcaa ttgtctttca 240
 caacatactg atacccttaa tatgtcgaaa ttaaggccat tccaagattg aacagtgaia 300
 cgcaccataa acatcaaattg tgatgcatat gaccgagagg cattcactta ctactcttt 359

<210> 24847
 <211> 511
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24847

ccccccaccg caacaaacca gacgagaaac acaacgatgg aacgcacaat cnaacaagac 60
 aacagaacct gagcctgatg acgcatgaaa ccaaggcgaa acgactcgca cccgggaacc 120
 acagaccgac cagttgacag ccaacttcac aacacggccg acgaaaaaga aagcgggacg 180
 acaccatgca caccgccaac gacaatagca gcacaccggg cacaaaaaag aagggagccc 240
 gaagcaaacc tcccaaccac gaccgaggca acagcaacga gaaagccacc aaaggcccca 300
 ccacaggcag caacgaacac accacacacc acgggaccga gaccgcgaca acaacacggt 360
 acaagaaacg accccaaaaa caggtggaga gggcaacagg aacagaaggc aagaaacgcc 420
 cactagaaac agaaacgcac acaccagag acgctaacgc cagaaaaaca acgacgaagc 480
 ggggnacaag gaagcaacaa cagcaccac c 511

<210> 24848
 <211> 372
 <212> DNA
 <213> Glycine max
 <400> 24848

tgtttggcat aaattcatga tccgagaata taatatagag aattgataga atttggttgt 60
 attatatattg ctcttatgct tcttatttaa aaaaatatgc gtcctttgac tcttacacac 120
 caagagtaat ttattgttga tttccatatt ttatggttac atagatattc atattcttat 180
 caaccaaatt ttagctaaat aaaagtattg ttttatatct taattataaa atatataaaa 240

acaaaatatg accaaacttt aatctaaaat agtaaattaa ttaaaaatat aatgtatat 300
tagtacttgt aacaaatata atatattata taaatgtata aaaataactc acttataaac 360
gtataagttt gg 372

<210> 24849
<211> 261
<212> DNA
<213> Glycine max

<400> 24849

ttgcatgcaa gtttgcaca catttttccc aggcgagcag ggttgcttcc tcctcatata 60
acagcctctc ggaggaatct tctagagggc ccaagcgggc ctggttgcta tatgcaccca 120
catttctact aaattcaacc ctgtctatta ttgttgaatc tcttttcaaa atcttactga 180
gactgacgaa tctcgacga tacttgattt ctttccgtag agagacagaa ctttgtgaaa 240
tacatgacca tgccttattg a 261

<210> 24850
<211> 218
<212> DNA
<213> Glycine max

<400> 24850

gctcgtcccg ggatcttaga ggcacctttt gcacgcaatc ttaatcattt ttttggatca 60
ttaagggcat ataatacgt taatgggaac acctcctttg acaagttatg atgaatagaa 120
ctatgtgaaa actactagaa acttaaactg agccgataga taaaaattta tggtcgaaag 180
aaaaaaaatt ctgcaataa tctgaaagcg taagatga 218

<210> 24851
<211> 388
<212> DNA
<213> Glycine max

<400> 24851

gcgaatacag ctgcacccg ggatcctctt tttcgacctg cttgcatgca atcttccatc 60
aagtggaaat cagagcacia gagcttcaag tatgcgctcc ttaaactctc attaatTTTT 120
tgctatacct tctcttccat tgggtgattct tcattattct ccatgtatct cctcacatgt 180

cttgcgataa atgatgttaa catgaatcctt tatagtttcc accgactaaa cttgctataa 240
aagctagatt ttattatcta tggatcagaa ttcttggtcc tgttcttgaa ccatgaattg 300
cgttgagtat aggttccttt gacttcagtc ttgctatctt agtgggtgaa acctaacca 360
taaaattcctt accaaaatat tataagag 388

<210> 24852
<211> 362
<212> DNA
<213> Glycine max

<400> 24852

agtttttagt gaaaggatgt gactcttcac atttgaattt gaatttcaac gttcaaaggc 60
actggtaatc gattaccaa acattgtaac cgattacaac ttttttgaaa tcaattggaa 120
cgttgtaaat tcttttgaaa actttttcaa atccattttg ctactggtaa tcgattacaa 180
caatctggta atcgattacc agagagtaaa aactctttgg taaacatgtt ttgagaaaaa 240
tctatgtgct actcagtttt tgaaaaaacc ttttcatact tatcttgatt aagtcttctc 300
ttgattcttg aatcttgatt cttgaatcctt gagtcttgaa tcttggttctt gattattcctt 360
ga 362

<210> 24853
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24853

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ggttcaacgt cccagaaaat tttaacaagt ggatcatcctt tcaagtcagc agtcactatt 120
ttctcacatt tatcattccc tgcaagctca taatcagtta tagaagtaga tgggtgattgc 180
ccatcctggt tggaactaac acttgtgaac cagagacacg agttcatgaa gcacctgnga 240
tgcagcaggt tctaattcta gcaatgtgtt cctttcttta agctttttct ctcttaaadc 300
catccctttc aacatctgac cataattttc atcagcgtga tctgaatata agattatcaa 360
gaaagataag ctggaaattt attcctt 386

<210> 24854
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24854

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 acaaagttga actgcccggg gagtataatg ttagttccac cttcaatgtc tctgatttat 120
 ctctttttga tgcagatgga gaatccgatt tgaggacaaa tccttctcaa gagggagaga 180
 atgatgaaga catgaccaag agcaagggca aggatccact tgaaggactt ggaggaccta 240
 tgacaagggc tagagcaagg aaagccaagg aagctcttca acaagtgcgtg tccatactat 300
 ttgaatacaa gcccaagttt caaggagaaa agtccaaggt tgtgagttgt atcatggccc 360
 anatggagga ctaaatagaca ccac 384

<210> 24855
 <211> 387
 <212> DNA
 <213> Glycine max
 <400> 24855

agcttgtggt gaatactcac tcttgcattg gtcccaaat gtctgatccc accacataga 60
 tggattatta ataaaacaaa gcttcgctat caaattattg aactggtaaa attcgccatt 120
 ctatgttcag ggctttatag aaaaatgttt cagctggtat tatacagaat gtaaaaaaag 180
 tgaacactgt ttacccaaac caccaaaagc agcaagcagc ttcccagaga ataaatgtaa 240
 ttatttgtat ttatttaata aaaacaatca aactcctatt aattatcaat ggaatcaaac 300
 agagtattag ataaagttaa caccaaataa gttgtttcct ctacatatgt gattcttgct 360
 gtttagattg tctatgctag tatataa 387

<210> 24856
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 24856

agcttcaaca tcagtatcac ttccaggggtg ctggaactac ttcacatgga cttgatgggg 60

cctatgcaag ttgaaagcct tggaggaaaag aggtatgcct atgttggtgt ggatgatttc 120
tccagattca cctgggtcaa ctttatcaga gaaaaatcag acacctttga agtattcaag 180
gagttgagtc taagacttca aagagaaaaa gactgtgtga tcaagagaat caggagtgc 240
catggcagag agtttgaaaa cagcaagttt actgaatact gcacatctga aggcattcact 300
catgagttct ctgcagccat tacaccacag caaaatggca tagttgaaag gaaaaacagg 360
actttgcaag 370

<210> 24857
<211> 375
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24857

cgtttttaaaa aacattagga atcttattct tataactctt tcccataagt acaagaataa 60
ggaagaaata tatgcataat aaaataagtc atgtgatata tagaatgatg aaaagaaaac 120
aaatcgcata acagaacgta ttacacaccg tgcgattacg attcatataa ccccaaaata 180
tggagaaaga gcatgcttga taacaattca cttccatcac aagaaaaaag atctgatacc 240
gtggactgat caaacgcata ttgaaaaaag aaaaagaata gttatatattt gatttcagtt 300
tatggccana aattgacggt acaaaatgta tgaagagagt ttagtttaat taattaaaca 360
gaatatacca atatt 375

<210> 24858
<211> 375
<212> DNA
<213> Glycine max
<400> 24858

agcttcaaag gcttagacaa gggactatga gtggtgaaga atatagacaa aaaatggaat 60
tactcctttt aagagctgga cttatggagg aggaagaac aagcatagct aggttcctta 120
gtgggcttaa tatggaagtg agggacaagg ttgaactcct tccatatagg gacctagatg 180
agctagtcca actttgtata agagtggagc aacaacttaa aagaaagcct tcttcaaaat 240
cttatggctc tçactcttat ccaaggaagg accaagccta tggaatttta ggggctgcac 300

cttcaaaacc caaggaagat aagggtaaga ccatagagaa atacaccct aagactagtt 360
 cccaagaaag gacta 375

<210> 24859
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 24859

agtttgatt gacttatacc cagattccac ggtttaccct gtagatagat agaattcata 60
 acttagatgg catattttctc ccaaatgcat cttgagtaaa gtccattgt tatcgataaa 120
 attgctgtaa tcaggtctca cacatgcacg gtgtcagagg gttctccac aggtcatagt 180
 tagggaaagt ctcttctggc aatcctgtcc gtgtctgggtg agtaacaaca acatcttcta 240
 caaaaggagc ccaaccata tatggatccc caaaagactt ggacatcagc ctttgtcag 300
 gcttaattga ttctaaacgg agacccatgt atcttcgtgc tccaatgatc agctt 355

<210> 24860
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 24860

agtttgcatt tttctatcga agaaaaaaaa attatatatg caatgatata ataatgaaaa 60
 caaactaagc aaaatcatgt tcggctgcaa aaagtaaaaa caaaaagaag ttcaatccac 120
 atgtgttgaa gtaaaggaac tacatcagat tcatagaata tgttcagaaa ttcaagggtt 180
 gtttgcgata tttctgcaca caggtataac gcaacaaaga gttgttaaata tccatgcttc 240
 aatatttgat tagatacaaa atagtataca accagtagag tttatgtttg aaatattctc 300
 acaatacgaa ttcaaagaaa tggaatgaga gaaatacaaa acatagaaca 350

<210> 24861
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 24861

agtttacgta gatctcatga taaactaatt gtcacatagc atgacaactc tacagagatc 60

aagctacagt tatagaaatt ctaccctcaa gctaagacaa gaatgataga ataaggtccc 120
acgaactcac ttggacagag tatgagtgat gctttaaagt acgcatcgca catcgagagt 180
actaatgaag actgtgcaaa tccatggaga gagagaatgc caatgccaag ttattgtatt 240
tttggcaacg cgagtgaaac tgctggtaca 270

<210> 24862
<211> 380
<212> DNA
<213> Glycine max

<400> 24862

cagctttgaa aacatggttg gtccaaaaac atatitttaag catgccacaa caaatattaa 60
acaagcagtc tagtagaaaa acaacatacc aaaaaattat attagaccat ctctcaacct 120
ggactacggt cagtgtacgc ttgacacaa gaacaagtac ttagcattgg ttctttatca 180
aacccttcat atgctgctat aacaattggt attctctaag cctctatgag tgattcttaa 240
ctattctttc ataaagtctc ttgagtttc accccaatat tttttagggc tctataggca 300
ctatccaagt attctttcaa acaatcttca gaggttgga caccatgag attataccaa 360
ttaggtacgt acttaagcga 380

<210> 24863
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24863

agcttcttat ccaaggcact ctcttggttg tgaaactctt tcttccatgg cttattccct 60
agtagatggg gccttctctc aactcttctc ctttatctta tgctgcatct ccatgggtgga 120
aaatcaccat tgaaggacct cattgaagct caaagatcca gccttcatag aagcttcaca 180
agcaagcttc catcaagtgg taatcagagc acaagagctt caagtaggtg ctctgaaac 240
ctccattaat tttcagcttt accttctctc ccattgttgt ttcttcattt ttgtccatgt 300
atctctctc atgtcttggtg ctaaagtgtg ntaattcttt agaatttcca ccaattaaac 360

<210> 24864
<211> 365

<212> DNA
<213> Glycine max

<400> 24864

atcttgttct tgatttttcc tcatttcttt aacaagcttt gaacaatata ctgtccttc 60
atttaactgt ctttgggctt ggcgccgcg ctcaacaaag tactttcgac acctactata 120
cgttgatttc accaatgctg ttatgggaat gttgcgacaa tcctttaaaa cttactgat 180
acattctgag aggttgggtg tcatgtggcc atatcgacgt ctttctttat cataagccat 240
cgtccatttt ttctttgaaa tgcgatcaat ccatgttgct atggctggac tcagttgacg 300
aaatttttct aaattttgat aaaaaaaaaat gtgcttttaa ggagtgtagg ctgcataaaa 360
ttagt 365

<210> 24865
<211> 372
<212> DNA
<213> Glycine max

<400> 24865

tcattaataa ttatacaaac ttttttttg ttttatttaa agaaatatat ggtaagatgg 60
taatttcgct attcacaatt atgctcctat aggttttggt cttaccaaaa ttagtcaagt 120
aggctatttg atctctctgt ttagtattgg tatgatttcc aatctcctta ttttaatgtg 180
tgatagatac ctatgaaagg aactttgatg ttcaatctac ttagattgaa gtgtttatgt 240
gtataatcaa gttacataac ttctattacg ttggactaag tatatatata tatatatata 300
tatacatata tatatatata tatatgtata tatatatata tatatatata agaagccgca 360
cagaaagctc ct 372

<210> 24866
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24866

agcttgtag attatgggtg acccgtcaca tgttgtacta ggggggggtc gggcgatggt 60
gcaattcgac tatccacatc cacaaatcac acatatatcc accatcccca gttgcccacc 120

ttcaactgag ctcacgtact cccacgtagc ccttatcctc gttcctctca acaccgggtc 180
 cccatcaatc cctccaagct tccataacat ccaagcaatt tcaacatcca aacatcatga 240
 actatcaaaa ccaagccaaa aacagggcag aggcagaaaa ctctgcccaa agcacaaaacc 300
 aataccacag tttttcttat tcaaataccc cagtaacatt ctcttcgttc caatttgttc 360
 accgttggat caactcgaaa 380

<210> 24867
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 24867

agtcttgctt ctactttttac aacttttttc acttagattc ttattagtat ttggagcttc 60
 ggttaaaata atgttttcatt cttgtatttt tcatgtcggc aattccatta aggcaacttt 120
 gggcacttaa attcttattt gtatcaggtg ttctatttga ttaaaataat gtttcatttc 180
 taagttttca tgtctaaaaa gccattaaga taactttcgg atctcaaaca catgaaccaa 240
 ctgtcaaaag ataagagaat attactaaga cttgaatata tgaatccatg acggcagctc 300
 tgggtactta gattcttatt tttatccagt gatttggttg aaataatgat tcattcccat 360
 agatatcatg tcaataaaac catta 385

<210> 24868
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24868

agcttatgat acttggttaat attttcttac taattgtggt tattttattt ttgtaataat 60
 ttcttttata ataaactcac ccctcgcaat ttttgtaccg tgtggttggt acctgtgatg 120
 atcgctaacc tttgttcggt agagcagaat gacaacagta gtggacaaga agtgagattc 180
 ttttgtggag cgggcgagct gacatgatga cgttgagatt attttgggag agagttgtat 240
 tttgttaatc aactcctcca tagctggttc cgtaattctt tntgttgatt tgaagatgta 300
 aatcacatat ttaattatat gtatgaacaa atttattttc cattatgtga atgatgtgta 360
 ctangttact atatatatat atatat 386

<210> 24869
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 24869

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agcttacaaa tacaataggt aatatgaaat ggaagagaaa tggaacgaaa tggatcagct   60
agtgtccag agagtgattt tctccaaaaa tggctctttt cttcctttgc ttcttacttt  120
ttttaaaatc aaggaaaatc ttctttcaaa aatatcttcc cacttggtat tagctcaaaa  180
ccaccattat gttcttatcg tgatgctcgc gtaagcgcg tatgtctagc tagattaagt  240
gaccacgcgg taagttgcag ggtgcgtgct tgcattgtgat agttggcttt caaggttggt  300
tcttgcgcta aacgggcttc ttgggctgag cggtccttat gtgctaagtg aggttgccgc  360
attgggcgcg acacttcaat tcttcaat                                     388
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<210> 24870
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 24870

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agtcttttct aaaccaccga acaacatgaa gttattctaa tttactcatg atattgaatt   60
tgagtcttag tatgcaacaa cattaaaact ttcaaggaaa aaaaatttta tagttcataa  120
taatcttatt taatttgatg agaattatct gtaattaata gatgatacat gtagtttttg  180
aatttttttt tcaaaaaaag tcttactaga aattgctcta tttatttgaa ttttctttta  240
attggaaaac aaccattgcg agggatataa tattattggt aaataaagaa aaggaaaaaa  300
aaagattgat gtccatggaa atatttcaag atatacataa attttgacac ctacaattac  360
tggcggacgt gt                                                         372
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<210> 24871
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24871

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 tccatccgag aagttggcaa actcaatatt cacttttcctt cttacatcca catcaagaaa 120
 gaacctcttg aagcatttta atctttcacg agtgagttcc atgtcttgat gtggaggaac 180
 tcgattagaa tcttcactta accattcatg actataatat ctacaattaa aaagaaatat 240
 atacatgatt aaaattttatg taattctaaa aaaaatgtaa gtaaaaaagt atagagtcaa 300
 ttagctagga tttaaagaat gagctaaaca atggagagaa gtgctactct tagtccaacg 360
 gtcaattaat atgga 375

<210> 24872
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 24872
 agtcttatca gatgttgcatt ttcggtatca gtcctcttta ttgaagaaca atatgcactt 60
 cttgcattgt aaatttgctt tatcggggtg caactgttgg cattgtgttc cttcaacgtc 120
 agcaagatgt tttttgggtt caccatctac tttgtcatat cagcaataat tttcttttca 180
 tccttagtca atcgcccagt gtatggatgt ccaactaagg acttggccaa ttcattgattg 240
 tgaatccac atatcaactt caccatccaa ccttcccctc catgcaactgg tttcccacga 300
 agcctgaagg gacaaccaca tttcctactc ccagtgtctt ttctaacgaa tttctttattc 360
 ctacac 366

<210> 24873
 <211> 270
 <212> DNA
 <213> Glycine max

<400> 24873
 atcttgcgaa gtcaaagaag acaataacgc gcggatcgta tcgaaaccga cattgctgct 60
 tttgatgcaa gtaaagcgaa taacaaagaa atagcgggta cagtttgcgt accttgtaga 120
 agactacggg gcggagtggg gtttacgttc gatcgtcggc ttcaatcgaa gatttgactg 180
 aaacggggga gatagtgatg agagagaaag tagatagagt gtatctgatg aaggctaatt 240
 gtgcgcgaga gagaactaga gaatagagta 270

<210> 24874
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 24874

agcttgctct aaatttacat tgatgtttgt atttatggga ggaggttata tgccattttt 60
 gctttaagag taacgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa 120
 tggccccgag gaagcttgcc tcaaagaggt ccaggaagga caaggcggcc gaaggaacta 180
 gttccgcccc ggagtagcac agtcaccgct ttatgagcgt tgtacaccag cagcgcttcg 240
 aagccatcaa gggatggtcg tttctccggg agcgacgcgt ccagctcaag gacgacgagt 300
 atactgattt ccaggaggaa atatggcgcc ggcggtgggc accactgggt actccca 357

<210> 24875
 <211> 352
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24875

agtttccaag gcacaataac atcagtgtat ctttcccaag cctcttggga tatgaatctg 60
 gatctgtcaa atctggcttg ggtaggtgta gagggcgctt ttcttttctt tgaagccatt 120
 tgcaaaatat aagacaaaac acacaagatt accacaggtt ttttctcaag aaaatagaaa 180
 aattaaactg aaaacagagc tgggcactta gcgtagcatg ctgacactta acaaactta 240
 tgaaattaac acaagcgcta agcgcagcaa gctgtcactt agctcanaga catganaaac 300
 attnttttct gcagaatagg cttagtgtac aaggcgctt agcctaagtc ta 352

<210> 24876
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 24876

agtttatatg aggaagtgta aagggtggaa cttcttgtt ttatttggtg aacaccaa 60
 ggtaccttga aatatttccc ggggtgcaag aaaaccttgg gaccttaaga aggggtgctt 120
 tggcccaaaa ccaacttgaa ccattcccaa ccaaccccg cctaatacag taatgagaac 180

ctgggatgga cctaaacatt ccaactcctg gcagtcaaca aaataaaaaga acatggacca 240
 caaagcaaag aggctggtgg tggctggcca gctatgaact tgattgatat atgagatatg 300
 gcctctggta atcgattacc aagggtgggt aatcgattac aaggcttaaa aatg 354

<210> 24877
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 24877

agcttgctct aaattttacat tgatgtttgt atttatggga ggaggttgta tgtcattttt 60
 gttttaagaa tagtatccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa 120
 atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc agaaggaact 180
 agttccgctc cggagtatga tagtccccgc tttaggagcg cgggtacacca gcagcgcttc 240
 gaagccatca aggggtgggc gtttctccgg gagcgatgcg tccagctcag ggacgacgag 300
 tatactgatt tccaggagga aatagggcgc cggcggtggg caccactggt tactcccatg 360
 gccaagtttg atccagaaat agt 383

<210> 24878
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 24878

agcttcacca ccaatgttac gacaattggt actttgaaga tgttatatag gttttttcaa 60
 tgccacctgg ttaataggaa caaataaaga ttcaaaacaa caaagaaggt tgaaaaggaa 120
 aaaagaaaac aagatggaaa ttacgaaaac ataggaagag gatatgatgt aagttaacaa 180
 gattcaatga tgggtgggaat agatgtgatt cgggaaacct ccagccaagg agagattttg 240
 tttagaattt gtaaaacgga cgggtacagaa gaagggctta gattcctcaa cattttgagg 300
 ccatgtaggg tgtaaaacat atgttccctt cacaatgcaa acatatcagg atatactcgt 360
 gaagatactg atgagttcat 380

<210> 24879
 <211> 384

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24879

agctttcttn ccagcttcaa actttaatct tcatggaact catgttggtt cccctatctc 60
ttacccaaat tgcacttact cctaaaaagg aacattgttt tataacaaat taaggaattt 120
tcactaaatg attttattaa caaataaatg tttaaagatg agacatagaa tccattctcg 180
attgtaagtt ctttttaatc taacaaataa gttcataatt ttcaacttat cagagaattg 240
tctaatactt aatatatata ataatagtaa ttctgataaa gatattcata gataattata 300
gtagtatcgt ataacagttt gtaatatact ttgtaagtag attntatgat agtggtttcg 360
attaanaagt aaatttcaac aatt 384

<210> 24880
<211> 370
<212> DNA
<213> Glycine max

<400> 24880

agcttctagc caaatggact taccttgaat taattccttt gatagtcctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatatcacc 120
atataccttaa ggaatttttg agctttggaa ttgttttggg aataagtgtg gggggttttt 180
gtttcattgg acaacttggt ttgttggcta tgcttcatga tgtattttgg gccatacttg 240
atgtacattg tatattgggt aaatgttggg catgctgaat gaaatgttgt ttctcaaagg 300
ctatagagta aaaaaaattc aaaaaaagaa aaagaaaagc aatacagttg agtgaataag 360
atcttaaattg 370

<210> 24881
<211> 369
<212> DNA
<213> Glycine max

<400> 24881

tttcatgcaa gcttgggagg attgatgggg acccggcgtt gagaggaacg aggataaggg 60
ctacgtggga gtacgtgagc tcagttgagg tgggcaacag gggatggtgg gtttatacgt 120

gatttgtgga tgtggagaat ttttttgcac catcgcccga ccgccaccta gtaccacatg 180
 tgatgggtac ccataatcc tacaagcttg aaatgaggaa gtgtggaagg gtgagacttc 240
 ctacttttat tcgttgacca cagagtggta cctggagata tgtcgcgggg gtcaggagac 300
 cttgtggatg tcaagtgggg tgctattgcc caaaaccaag cttgaccaat cccgacccaa 360
 cccgggcat 369

<210> 24882
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24882

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 taatcgatta cacagtgcaa attttgaatt caaattttta tagctgttgt aaatcagttt 120
 tggccactgg taatcgatta ccagagagta aatctgttga aaaaaccttt ttaacttaga 180
 tttcttggcc aaaccttttg cgacttcaat tggaattccc ttcttattta atataccctt 240
 cctaagactc tagagattgt cttgatcatt catcttgaat atctttgtct tgaataaatc 300
 tttgagaagc atatgattca tgtaatcctt tggcatcatc aaaacattca gtttgatcct 360
 ttgtctacat g 371

<210> 24883
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24883

agtttatgct acaaacattht ataataggcc tcctcagcat caaaaccaac aagagcagaa 60
 taattatgat ttttcaagta acagatacaa ttccgacatg gctcccgacc gcacccaact 120
 gcagaatatg ttcaagaaag agggcgaaac ctttaaagaa tacgcgagc ggtggagaga 180
 tttggtggca caagtagctc ctcccatggt tgagagagag atgatcacca tgatggtaga 240
 cactctgcc a gtgttctact atgagaagtt agtaggttac atgccgtcca gttttgcaga 300
 cctagtattc gccgngaaa gaatcgaggt aggattgaaa agaggaaagt tgcattacgt 360
 ttctctcacg agt 373

<210> 24884
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24884

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 gagggatctg aggatgaagc ttagtttaag ttagtctaaa cctatgagga ctgcctaaat 120
 tgagcctagc ccaacaagag ggatctgagg acgaagcttg gattgattca gtccaactag 180
 ggatcgaggt ttagtaattt aggctacaac ataaaacaca aaagcatggt tgattagaga 240
 aacatcctta tatgcatcag ctggctctgtt agaaaaacct aacacttcta cctactactg 300
 tcaatnttac ttgtattttt actgttttta acctagactt agttttaaact tgggtctaaat 360
 catcaattat caatg 375

<210> 24885
 <211> 369
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24885

atcttcattc atcttgggtca aaccattcaa agacttacta ttcaccccta aaacaagttt 60
 tttacctgtg taattataat catatatata caaacatcac aaaccatcac cttataatta 120
 attaattaca tatattttaa tttaaatttaa ttattcttac aatctaatta aaatcactta 180
 actagacatt aaaaaaaaaat ataatgttac tataataatt tattttaact aataattatg 240
 gatacatagt aaagattaat ataggacata ggagtccttt ttttattcat taattcggtt 300
 nttaaaatat gctntgtatc caataataat taaaaaaatt aaaagtaatt tatttaatat 360
 agttaacta 369

<210> 24886
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 24886

agctttgatg caacatttgg agaggttaat gaaacaacga gatgatgcgc tccatgagag 60
gttggaatag agatcataat gaagaagaaa ggaggagaat agggaatgat ggtgttccta 120
gacaaaaccg aattgatggg attaaactca acattcctcc atttaaagga aagaatgatc 180
cggaggccta cttggagtgg gagatgaaaa tagaccatgt tttctcatgc aacaactatg 240
aggaggacca gaaggtgaag cttgccgcca cggagttttc cgactatgct cttgtgtggg 300
ggaacaagct acaaaaggag agagcaagaa atgaagagcc aatggttgat acatggacgg 360
agatg 365

<210> 24887
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24887

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taagaaaatg aaattcaaag gggaaaaaaa ttatttgtac ataacaatga tganagcaac 120
agaatttaat ttccaaatga agcaacataa tattcattan gcatgattat ggttaaata 180
atcctagata tgcagatctt aacaacttat ccttcanaag aaccaatcc aacacttatt 240
cccaacatta tgtcaaaatc atatatatga gatccaaaca ttagaccaa agcacagaat 300
aagacaaagg aattgattta atgcgggtcta gttaagtagt tgctttctat tagagagaac 360
taatctatat 370

<210> 24888
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24888

agtctttatt caactcaaac atggcaagaa gacagtatat actaggcact gaagatttct 60
taaaccttat caccgtacc gactattgaa gaaagctttt aatgaaagct aggagaataa 120
aagtgtcct tgaccattag ctagaaatga agtttatgat caggatgaagg acatcataac 180
tatctttggg aagacccaaa gccatcatct aagactaacc tatggaagaa aaggtcaata 240

ttttttatct tccatactgg ttcgatctac atgtatgtca ttgtctagac gtaatgcatg 300
 tggagaaaaan tttttgtgat agtttaattg gaacccttct taacattaaa ggcaagacaa 360
 aggatggttt gaaatgtcat caagacctgg ttgacatgga aatacgagag caattgcatt 420
 tgatat 426

<210> 24889
 <211> 454
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24889

tgagttccta ggccatagaat tgcattcggg cactcatttt anacattca tgttgtccct 60
 atatatacaa aatagtctca caatcccaag cttacaaaac catgctcata tgtcattgag 120
 gcatttcacc aaggacttgg tggacgcatg tttatgcatg aatagcaaga gagggggggc 180
 aatgtccatt gcttcaggat gcaccctang cctaaggcca tcccctacaa cccctcaatt 240
 caaaacaatc atgcatgaaa acaaaccaaa attgccccac aaatttgagc acattccac 300
 aatttagagc accaaaagag gaccaaaata caccaatgga aagctatana actcaaggat 360
 gagatactta cttgttgagg tgagtaggag taccacaaat gacagcaaaa tgtaaccaag 420
 ggtggcttgt gggagcanaa accgtgagtc ccgt 454

<210> 24890
 <211> 419
 <212> DNA
 <213> Glycine max
 <400> 24890

agcttcattg cctaataaggc caacttccaa cagcgaacct caagagactc agcataagga 60
 tgcacagacc aaagttgcgt atgtaaaaca attgtatgac caagtgaagg tgcaaattgc 120
 atacaatatt gagtagctat gccaaagtct ctccaacaca atcggatagt aatgaaactt 180
 cttcaacact gagtttgagc tcttaacata acgaaggatc ttgcgaatga tgtaaggatc 240
 tgagctcgag tatcctgtat tgagattcta ggaatacaac ttctcgatgc atgaatgcta 300
 tgagatttat gatttatgca cttaatgttt gaatttaagt atcatgatag agccatatta 360

gagtaaatct tctctttcag cggcgagccg agaaagcgca atagacacac aatcaccca 419

<210> 24891
<211> 443
<212> DNA
<213> Glycine max

<400> 24891

aggaaggatg cttcaatgga ggaaaagaaa gagggatata aagagttagg ggggagcacg 60
aaattgaagg aataaaagag ggggagaagt agaactttga agtgtgtctc ataagacttt 120
cattcatcaa agttacaaca agtggttacac atgcttctat ttatagacta agtagcttcc 180
ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgaga 240
agctagagct tagctacaca caccctcttc ataactaagc tcacctcctt gagaagcttc 300
cttaagaaga ttcctaaaga agctagagct tatctacaca cacatctcta atagctaagc 360
tcacctcctt gagatgagaa gctagagctt agctacacac tccctataat agctaagctc 420
accccatga caaaataaga tga 443

<210> 24892
<211> 525
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24892

cgccccccac aaccaaaagg aaggcgaaag ggnaacgaaa tacgaannnc annagcaagg 60
nnttgggact cgagacanca gcgaaaaagc cgggcgggaa caaaagcgaa cgcggccgct 120
atcttaccaa aaccggggga agaaagagaa cgagcccagc cgccactcgg acccgcaaag 180
aaagcacaca cacagaagag agtgagaacc agacgagaca aaaaacgaca ccacaggcca 240
ggacaaacaa gacagacagc gcacacccaa aacagaacca gacaaatcac aacaaggccc 300
acgagagggg gcgcgaaacc aacaaagaag aatcgacgac gagcaggaac taaaaggaa 360
gccaaccaac acccaccgac agaccacac gagcacaagc agacacaatg ccaaagagga 420
aaccacagtc gccgctacca ggaaagaaac aacaaangca gcaggcgcaa ccacagacaa 480
gcaggctcaa accacacgca cggaaaggag gccacctggg caccg 525

<210> 24893
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 24893

tgttttggttg tgttttcgcac ttgttccaac aagacacaag acatccatgt ccgctcctga 60
 gccatcgctc gtgtactgaa aagaggagaa tagattggga ccagctcttg gctgggtag 120
 gtggtagaac aatcaattgg ttccccgat ggaaggaagg aaaagaagga gtccttttct 180
 catgtggagg ataccocaaac attccgctgg taggaacgag gggttgtatt aactacaatc 240
 ccgcgctcgc tataagacaa ctaggggtacc ccatgagggg agcaccgacg gaagaaagca 300
 tgtctccttt ccttgtaagg gatttcgacg cacaaaattt caaggctata caaagaatcc 360
 acaaggcatg ggaaaccccg ttaaggaaag atcaagaact tagaggcatt cgtaat 416

<210> 24894
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 24894

cttgggggct gaaaactata taacagcacc aaggttctag tttagctctc tctcctctct 60
 ctcttctatt tttcattttt agtttcagtc tctcttctct ttctctttta ttttcatttt 120
 ttttacaatt ccagttcata ctttttagttt tatcaataaa atttcgttct ctatttgaat 180
 aatggaaggc taagtccgca gtgttggttt ctcttgagga tcaagcaaag ttctctttga 240
 ggttctatta ttactgttaa attttggtta gtttttctc ttcactaatt actctgaatt 300
 tgttgctatt aattcatgca tgcttagtgc ttgattaatt gtctctgcgc ttaatttacg 360
 ttcattgctta atgatcgttt atgagtaatt ggtgtgtgtg atggctaatt acataatgaa 420
 tgctttatgg ttaaatt 437

<210> 24895
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 24895

ttgcttattc taataaccct acaaaatata attacaataa ggaacctcag aaccaagtag 60

gacaaatatt catagcggat tatgcgcgac tgcattgacat gttatatgtg tatctatgaa 120
 gtgagccacc tcatgattgg ttagttgcaa aagtgcgcca cgtctagaat tatggccggc 180
 taaaatattg accacagcgt aatccaacca tcaataacta gtgaaaaatg gcagattggg 240
 agtagctttg gagacaaaat ggaacgtcaa aatgctaacc cacaggacaa aaagatggat 300
 cacacagtat cacaggtggg c 321

<210> 24896
 <211> 232
 <212> DNA
 <213> Glycine max

<400> 24896

attcatgatg ttggctacac attcacactg tctacaacaa cggcgcctta ataaaaatta 60
 ctctcgactc ggctcgaacg ggaacgcaat aaacttacat gctcttttct aattgcgtat 120
 ccatgtttctc attcaattaa tattatctag atacgatagc tctataaaat ctatttttaa 180
 agctagacat catcctgttc atcagcaact ttcaacctag ctaaagacgc tc 232

<210> 24897
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24897

ttcttttgtg ttaattagtt gcattgtagc gtttagagta attgtttgaa caacaactaa 60
 caaaaaataa ttgtttgatc aatttcaata aacgtcaaga gagaaaaaaa aagagagttc 120
 gatattaggt ttgataaaaa gtcttctaata acactattta ttattaatta aatttcttaa 180
 aaactgattt tgagctataa acataatgag ggatcttgtg tatgtatggt ggaactgagc 240
 ttgattatcc tgtattgaga ttctaggaat aaaacttctc gatgcatgaa ttctataaga 300
 ttttttattn ttgcacttaa tgtttgaatt taattatctt gatagagcca tattagagta 360
 aatctcctct ttcagcggcg agccgagaaa gcgcaataga cacacaatca cccatggac 419

<210> 24898
 <211> 453
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24898

tctttcagat cgtaacatca aattacactt atgaatgtat cttaaaaata tgtctaatac 60
aaacaaatcg gaagcacctt gcaagtggag tcatttcgtc taagaaaaat aaaacttata 120
caacaatgac aatcaaattc tgagtcatta gtcgggcagc tacgaggaaa aatcaatggc 180
atgtcgacat tgggaaagca tgatgacaga ttctgaatga aatgtaggct acaattggac 240
aggagatgtc caatgggtgg ggggagcaaa caaaagagaa gttacaaggc atcctcttga 300
tctctcaacc agcaaacaca cataaagaac attctcatga taacacanaa aattagcatc 360
atatcaaact tagtacatac caacttctta taatccacat aagaaccaca caaaanacta 420
agccataaac aagaacaaga tataatgata aac 453

<210> 24899

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24899

tttctttcac caaataccgt gtggaataaa agagttcatg cctttttttt ctgggacaca 60
aaatgaaagt caacatagag aagaatgtga gtagctgtaa atgtaaatat atgattctat 120
aggccagtaa aatcaattta tattttcaac ccccaaaata ttttcaaatt aatcataaat 180
aggcctatgt gaggtatctg taaacctaaa tatatgattc tatgatgatt tctatctaca 240
atgtttgcta accatcacc actgactgac ccacagattt ataggcagaa ttagtgccaa 300
agaggaaact aaatttgag taatcaggaa ggaaactaan attgtagtaa tcacaaccat 360
agacatttag tttctaacct tactcctgtg aaagtgtcct tct 403

<210> 24900

<211> 579

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24900

cgctcacgcc agtcgtcgct actacacaaa cacacatgcg tcaggtgtgt gcgtcnccct 60

tcgaccgttc ttcgacgttc ttcattcggtt cttcatcggtt cttcgatctt caacgggtaa 240
 atacctcgaa ccaagctttt cgattcattc tatgtaccgg tgggtggcca cattgtgttt 300
 cgtgtatttt tattctcggtt tcatttactt tntatacccc cctttgacgt gcttaagcca 360
 ttgtatttaa gtcatttctc gcttaaccta naaataaaat aaatttccac cgatc 415

<210> 24903
 <211> 441
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24903

tgccaccag ctcgcccagg cgagctcttc tagccctggc gagcaggggtt gcttcctcca 60
 gaagtaacag ccttctggag ggcccaagtg ggcctgggtg ctatttgcac cccattttt 120
 actaagtaca cccattgcc ttttttttg tgattctttt ttcgtaaagt tacggaaact 180
 tatgaatttc gtaacgatac ttgttttctt tccgtaatgt tacggaacct tgcggattac 240
 ataatcatcc cctttttgac ttacggaatg ttacggaacc tcaactaatca tccccTTTT 300
 tgatttccgg tgtgtcacgg aaccttacgg attgtgcac aatattttct tttgttttcc 360
 ggcatgtccc ggaatttcac aaattgccta atgatgggtg ccaagcacct cacaaggacc 420
 anacaaaagt tgcattgtcat c 441

<210> 24904
 <211> 367
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24904

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 tgatagtgtg gagttatgat catttaagta ttgtaaaaac cagataaaca ttggtctacg 120
 aatttataat tataaataaa gagtttatat ttcgaatgtc aaatgatata tatcttacat 180
 ataagcaggt gatctatgtg tctgagatga gaggagcatg gcctgaggat aaaacaacga 240
 agcgctaggc tctttagtct catacatata tagatgcacg gatgctatga gacaatgacc 300
 tacgacctgt ggagtaagtg atttatataa gagagagacc ctggcattac atcttcagag 360

atatcga

367

<210> 24905
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24905

gatatatcca ctcaacttat gtgcatntta tttcttatac tctcctttta cattagatta 60
tgacttagcc ttctattttc ttattcataa ccatcattat ccaactagta cttacaaaa 120
caattataag gtataatccc tctcataccc ctaagggtggc ataaagcatt ttcaattgat 180
gacacacatc ttttgcataa ttactagaca tgcattctac tctctatcaa acgggaataa 240
cacattaaca cacatacata acatgatcaa ttactcatag tctagacatc tcatcagttc 300
acattctaca gtcattatca tcgcatacat tcaatatata gtaccaatca tgaaatagac 360
acacgtgctt tacataattg tattacaata cccatcacca aggacaaatg ta 412

<210> 24906
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24906

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actatattgg aagcacctgg cttgcagatc atgttagttg tgttatgctg acctctccaa 120
aaaagtgtta acgttatcgt gttgtactca actctacaaa aagttgatgt catgatgttg 180
ttacaaaata cattgcagtt aacaaccttg cactgaaaag gtatatgatg attatgaata 240
cgtttttaatg tcttgattaa ttatatagca agtttttagga catactacag attttgaagt 300
acttcttctg aaaccacgtt gggtgttata ttatgtggtt ttcctttntt atcacgaata 360
aggattttca atccattctt gctttgaact cttagaatg cgacata 407

<210> 24907
<211> 323
<212> DNA
<213> Glycine max

<400> 24907

tacattacat atattacagc atttcagtgct actgtgaagt gtaaaacaca atttagattg 60
gatagaacag ataaagggag aatgttcaat taccatagca tggcaatagc tgaccccaga 120
tatgagtcgc tgaaagaaga atccagcctg aatcataaca acggggttaca aactatcgca 180
gaataagtac aaacttatag cattcaggtg tagaataagt aaacaaaata aataagaacc 240
tcacccctcg taaaacgcc agcattgcag attattttta agagctcttc cccagatgca 300
tattccatta caatagcaag atg 323

<210> 24908

<211> 414

<212> DNA

<213> Glycine max

<400> 24908

agtttgttta tatttgcaac ctttctgatg ccagaaaacg ttatcaatgg accggaaaca 60
acatcgctg ttactaaata cctcatgtaa ggttctgcat gagcctccaa ataaggaagt 120
ccttctgatc taagtatttg atcatagaca cccttggtga agctgtcagc cacggatttt 180
gagaccaata agactaacat cacaagtgga agtaacaaga gatcattaga gagctcaagc 240
aatatgacac aaagagacac tgtcattctc atggtgccac caaggaagga agcagctcca 300
agtaaggcaa agagtcctct gtcgagatcg gtaatcgttt cgaagagccg gtcgaataga 360
ctgccatagg cagcaccagc acgtatgacc ggaatgaaca gcccggatgg aata 414

<210> 24909

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24909

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atagtatgga atatacatcc tgggtggataa ccatgcctgc ggaagccaac atctatagtg 120
cggccaattc taccagcaat gagagcgcat ctaccacta cagacctgat ggatcttgta 180
attgctacca tcattatgag agtagcgctg tcgattacat acacttttat agtgaccgag 240

agaccacaaa ttccgcactt tgtgtactac ttgctgctca catcatttac agataataat 300
ctctggcatc aacatggaga cttccacgga cactagcac 339

<210> 24910
<211> 424
<212> DNA
<213> Glycine max

<400> 24910

agtttgtatt aattcggcca gacgagggat caagggttta gtaatttaag ctatagcata 60
gaacacaaga gcacgattga ttagagaaat atatttctat gcacagctt gtttgttaga 120
aagacccaac atttctacct actgctgtca ttttatttac cttgcatttt atagtttttt 180
tagcataaaa gtttggttaa attctgtttg aaattatcac tcatacatgt tctctcaaca 240
atgcttcgat tctgaactta attcaagcta acattagttc cctgtgttcg atactcagat 300
tcatccattt taaattttta atacttgacg atctgggtgcg cttttcggta aacccccatt 360
gaaatttcct tgagacataa atgaacaaaa agtaactgca ttggagagtc aacacagtct 420
aagg 424

<210> 24911
<211> 445
<212> DNA
<213> Glycine max

<400> 24911

actattcaca caatttaaca agaaacaatg aattatcaac tttgaaaatt aattgcattc 60
ccatacctag atctccttct aaattccacc gaatttatat atgttttaaat gcatggaagc 120
aaggattcaa gactagctgt ggatctttta ttggctctga tggttgtttt ttgaaaggct 180
actatggtga tcatttgctt gcagcagcgg gacaagatgc aaacaatgca ttttttgtga 240
ttgcttatgc ggtagtaa atgtgaagata aagataactg gaagtgggtc ctcacattgt 300
tacatgaaga ccttgagac tgcaagcaat atggctgaaa ttttatgtta gacatccaaa 360
aagtgaatt caattgtttt gctttgatca attcatatat agaattgtgt aattctgatt 420
gcctgcatgc atatgtgata gtttg 445

<210> 24912

<211> 411
 <212> DNA
 <213> Glycine max

<400> 24912

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agtttgtggtt ggcgaagcaa aaagccattg cacttgaata tggcgattga gaaactttgt 60
tgttgctttt gtcaacaaat aggacacctc ctatctaagg atccatgcac gggtaaacct 120
ttgtagttgt tctacgttac catcatgggt atttatttgt gaaaaatggg gagtcaacca 180
gcttaattta accacattgc cttgaagttc accttctctg ggtctgactc ccaacaattt 240
ttcacacaat tcagcccaat caaaattagt ttgaccaatt aatgggtgcc catcaacacg 300
cagacctaata aatacaaaga catcttgaag agtaatcgta cactctccgc atctcatgtg 360
aaacgtatgt gtttcggggc tacatctctc aatcaaggca gtaattaatg a 411
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<210> 24913
 <211> 503
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24913

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cacgcncnaa tgtacgttgc attgcbgtgan tctatagaat actcacgctt gtccttgcgt 60
tacacacgat ngngtacaca cacatgtgtc tacgattaga catttcagac acaagactga 120
tgcagcacac ataatgtcta caactcctgc actacatata ttacaccggt gctgagcaca 180
gtgaagtgtg attaaccact tgtatagtga agtacacaaa aggcgggtat agttaattat 240
cataccatgg ggttttttga cccctgatat tagatgctga cagaagaatc gtacctgtat 300
catatctaca ggtgtcatat aaccggtgaa taagtacaac ctctctcat tcacgtgtag 360
agaaactaaa caaattacat atatacctca tcctcggtaa taccacacat tgcagatatt 420
ctcaagatct ctgcaccaat gctatgccat acaataccac gacactacgt gctaaatacc 480
tcctctcatt atttgacacc ccc 503
```

<210> 24914
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 24914

agtttcttga gagagtcaaa gatcaaattg agaggaaaaa taaaagctat gctaaacaag 60
ccaacaaagg gagaaagaag gttgtcttcg aacccggaga ttgggtttgg gtgcacatga 120
gaaaagaaag gtttccggaa caaaggaaat caaagcttca accaagggga gatggaccat 180
ttcaagtgtc tgaaagaatc aatgacaatg cttacaaagt tgagctgccc ggtgagtata 240
atgttagttc caccttcaat gtctctgatt tatctctttt tgatgcagat ggagaatccg 300
atttgaggac aaatccttct caagaggag agaatgatga gggcatgacc aagagcaagg 360
gcaaggatcc acttgaagga cttggaggac ctattgatga ggacatg 407

<210> 24915
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24915

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ncaattgcga gcttctcgat atgtgatttg cctgaatcgg acatccgtgt gaaaagttat 120
accagttgaa tttctcaaga gcttccgttg ttcagttttg agcgtctcga tatgtgattt 180
gcctgaatcg gacatccgtg tgaaaagtta tgaccatttg aatttctcaa gaccttccga 240
tgatcaattt cgagcctctc gacatattat gcgaccgaat cggacatccg tgtgaaaagt 300
tatggccatt tgaatttctc gagagtttac gatggttaag ttcgagcgta tcgatatagt 360
atacagctga atcggacatc cgtgtataag atttgaccat taggattcct cgagaacttc 420
cattgttcaa tatcgagctt ctcgacatat taag 454

<210> 24916
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24916

agcttctatt tatcaaaata ccagggggccg cctaattgtca ccaactgcag atccagtcta 60
tgaaataatt ggaactggaa aactccccctt tctatttatt agattgtgac tcccttcttt 120
ggcctccaaa tctcgaccat tcgagctttc atgatctgaa cccgaacctc tctctctgtt 180

aaaaccttcc aattaaacat agacctaggt taagtatctg gttatgtgcc tccccaccat 240
 tgaaaacaaa gccatcgctc tccttaacca tcgagagtct ctttgtctcc ttctccaatg 300
 aactagcctt atctcacact taacatctat tatttgtatc actcacaagc aaggcactca 360
 ctatcacaca acanactctc aacggaggag agatctcacc tagataatca taatat 416

<210> 24917
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24917

cgcttctatt gggcctaate tagtcggatc catgtacttg tttcctgtac tctttttatt 60
 gcttcttgca ctttccatth tgcattccga aataggctaa ttacatttcg taatggactt 120
 ttcattatat actgaaaagt gtagaaaaca ataatgagag tgcataaagt ttatctacac 180
 tctttttatt tattatgaaa ttgggcttct gactcatttt gtccattgaa aactgaagtt 240
 gtgttttaat ttaagtagtt gctatttaca ctctttttat tactaataca cttcacttgt 300
 gttatcaact ttaatattat tattttgaat tttgaagtat gaaattatgg atgaactttt 360
 cttaatcaaa taatattagt tatatactta tatataatat atacatatat aantttaaat 420
 tntttaatat agattgcggt aaacatgatc aattattgac c 461

<210> 24918
 <211> 489
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24918

agacgggttta tagacttgat gacacnggn naaacagctc gcgcgcgagg atcctagaag 60
 acagcggcgg caagctagtt tttagggcgc ccaacggagg gggagtgaga agcttaagca 120
 cctgcgaaca acacttaagc gccgatgaag acagagctat cttctgaaga tcccactcgt 180
 atggtgtaat gtctcacct aaataactca cgctagaatg acatggacgc agaggcaatg 240
 caggtgtgtg acgaataggt gagtgtgact tcagagagat aataggcact agtcatacac 300
 acaccacgca gctacgtatc tgaactcatg taacacccca atcgaatcca gcgaagggag 360

cgagaattca tgggtgtcaa gtctacgacg tcaacagatg gtgacctaaa gggattacct 420
gctactacca atactggcaa catgcataga ctgaaagggg gcgcatccgc aagaactcca 480
tagctaccc 489

<210> 24919
<211> 483
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24919

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cctttgcacc atattacgga gaagcagggg ttgtcccttt gatttatagg ctggcgatgg 120
cttgtgtaga tccacttcc acacacactg cctaagaggt gctccattgc gtataaacia 180
gcacaaagaa ggtacaggcg atgggaccc atccctccctg ctcgttttgt cattgggtatc 240
gaatacctat catagtactg cgtcactgcc gtagcatcat acatacaact cctttaccac 300
acgcgggtgt gcacgctgaa tgtataaatt gcgattgcgg atgaattcct acattataca 360
cgacatcttg acattgaatc cctaaggagt aaatgacgaa tactcgctgt gtcgtattca 420
attctaattc acagtaattc acttgcagtg cgtcataagc taactctctc tatattttcc 480
ttc 483

<210> 24920
<211> 315
<212> DNA
<213> Glycine max
<400> 24920

cgagggatca aggggttaga aatttatgct atagcatagc aactggatc acgattgatt 60
agagaactat atatatatgc atcagctagc tagttataac gacctccag ttctacctac 120
tgctgtcagt tacatttacc ttgcattata tagaatgact agcataagag ccatgggttac 180
attctgaccg aaatatcact catacatgtg tctgtcaaca atgcgtggat actgaactta 240
attgatgctg acattagtat cctgcgtgcg atactcagat tgattcattt tatatgctag 300
atacctgacg atctg 315

<210> 24921
 <211> 442
 <212> DNA
 <213> Glycine max

<400> 24921

tctctgtctt catggaccaa aggtgtcatt ccttgcttgt ttatatgaat ccgttgcgac 60
 gaatgcatct ctgtgaccgc tataactgtt acaaactcttg ggctacaacg tactctccac 120
 gctctaaaac tctcatccta tcccaaactg ctcactatgg atattagcca caacagtact 180
 agtggaaacta ttctcagca aattgctaac ttgtacagag aactcaatt gataatgagt 240
 gctaataatt ctagagggtcc aatccacat tacatgagga agttggctag ctgctcaatt 300
 ctaaacttcg aatacactac actctctggc tctattcctg aagagattgc atactaccag 360
 aacttgaaga gtctattact tcaatggaat caactttcag gtaccatacc tccaacaact 420
 ggaaggttgt ccaaccctgt ta 442

<210> 24922
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24922

tgttttgang ctgaggacct atataacagc accaaggttt tagtttagga gtttttttta 60
 gaggagaata atttcagggt tttgcaattc cagtttttac tgttcatgca cactattcac 120
 gtagaataaaa attcgttttc tgtaatttcg tttctgcttc aatctacaat ttcattttct 180
 actgattaat ggaaggctaa gtctccagcg ttgttttctc ttgaggatca aacacaactc 240
 tctttgaggt tttgttatta ctattgaatt ctgattagtt gttcctcttc accaattact 300
 ctgtatttgt tgctattaat ccatgcatgc ttagtgcttg attaattgtc tctgcgctta 360
 atttacattc atgcttaatg atcagtttca ttcattgatta at 402

<210> 24923
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 24923

actactatag aaagacactt caatctgtat taggcttcta ctggtgaaaa ccgagttgaa 60
 gcccgatgta gaatgtatgt tgttacatcg atttaaaaaa ccgatgttaa cataaaaaatg 120
 ttaacatcgg ctttataaat aactgatgtt ataaagaaag aagtacaaca aaatatgtgt 180
 atgctgaggg gacgttgaca tcgggttttct gctaaaacca atgctaatat gttaatatgt 240
 tatattaaca tcaacttttta taggaaaccg atgtgaacgt tcatcattca tgcacctatt 300
 ttgctgtaat aatgtatgta taacatcgat tatctataaa taaccgatgt taacctatgt 360
 acattaacat c 371

<210> 24924
 <211> 253
 <212> DNA
 <213> Glycine max

<400> 24924
 ttgcttattt aaacagatgg cctcatcgaa ttgcttattt ccagatggga attctatccc 60
 tacacctgca gacttaaggg gagagggtta ccactactgt gagacccgga gcgcattata 120
 tatcaaggca ttacagctca atagctggga agccattgac catagggcca tatatacctc 180
 ccacatgcta aagagatcaa tacatggctt ccactctgtg ctgcctgcca tataatgcct 240
 atacaccatg gtg 253

<210> 24925
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24925

gaattaacat aagttatgct tggtattctg tgcggataac aaatgctgac taatggagat 60
 ctaaattcca tagaattaga atacgggtaa ttgagtcata agagttttaa gtggatgaca 120
 tttttgtaaa tgactatata aatagtctaa aaatagaatt ttagtttaat taatgggtgac 180
 caattaaagt gactaattat atgatgtaga ataattaaca taagttagaa ttgcaacacc 240
 ttgaataatt acagctcata ctgacaaagg atactctgtt gttgtattcg tgcattgatg 300
 aatataatct caatagatat atgtgcttag tcatataatt tcgngctata tatatatgtc 360

tgtgtgtagt gtgttgacgt gtgcgtgtgt gtgtga 396

<210> 24926
<211> 347
<212> DNA
<213> Glycine max

<400> 24926

tgcttgtaag tatattattgg tataatttgc ctgttccatt aggccttttaa tgccttaga 60
ggttacttcc tcgttgacat cttttgtcctt gaatggaatt gccatgacag gtttattggt 120
actgtctttg atatttggtta gctgatgttg tgttgagggga ggtaattccg attggattaa 180
ctcaccatcc ttcacttgcc agtttggttat gacatttggtt gttggatcac ctatgatgtc 240
ttgtttccca gggtaatcta tctcctttct gatggcataa gcatgaaacc aatcagagat 300
aaggacatta attttgactc tttcaacaaa tgtatagaac ttgtcctt 347

<210> 24927
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24927

cgtattacat ggttttcttt aagttgtctc actgacagac atgcaatgtg attaaaaagc 60
ttaattgtat tcgtgagtat gtttgtcttt gttgtcatgt tttgttctat ccttttaacg 120
tagtctcact ggtatgaagg atttatttac cttgcccttt gtttgtactc cattcctcta 180
ttgagctgac ttcattcagt caaatgagta tgtgtctact tactctttta tctatttttc 240
attacaactc cttcattctc atgtgtatat aagtatattc ctcatctcaa tctttctctg 300
ttattgcatg tcatgctttt ctttcatata taatgaagca tctgaanaga caacattcct 360
tgcagcttcc tgatcatgac cttacgttgg aagcagcatg gcctcaatta tttgttgacc 420
ac 422

<210> 24928
<211> 407
<212> DNA
<213> Glycine max

<400> 24928

ttgtttatcc aatcagatgg gacaattggc tacccaattg aatcaacaac aatcccagaa 60
 ttctgacaag ctaccttctc aagctgtcca aaatcccaaa aatgtcagtg ccatttcatt 120
 gaggtcggga aagcaatgta aaggacctca acccgtagca ccttcctcat ctgcaaata 180
 acctgccaaa cttcactcta ttccagaaaa aggtgatgac aaaaatttac ctaacaattt 240
 ctgtgcaggt gaatcttctt ccacaggtaa ttctgatttg cagaagcagc acattccccc 300
 gcttccattc cctccaagag cagtttccaa cagaaaaatg gaagaggcag agaaagagat 360
 cttggaaacg tttagaaaag tagaggtaaa catacctctg ttggatg 407

<210> 24929
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 24929
 actcagcttg ggccgacatg gataatatgg tgggtatggg gttctcgta ccttactac 60
 aagagcaata actaagcact ccaccctgga aatcttcatt gagttgttga tattgatgtg 120
 cttataaagt tgctgatgat gctccatgga cattgttgtg tgttgagctt ctatggacca 180
 ttgttgatgt tgatggagtg cacatacatg tatgagtatg aagcgtgagg ctgcgttttg 240
 caagtttagc cgtaactaga gtaatagtta tcgggggaaa gtgcttttta ttcttgattc 300
 ttattggaca acgctgcca caataattag aacacatgac aagtaataaa aattgatact 360
 acacctcaga ggtggttgct agacgatata gaggggcaag actactttac caatccgaga 420
 gtgaagtata tcat 434

<210> 24930
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24930
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 aaagtaaaat atcataacag tattttcttt tatctctttt atatctgaat gtgaaaattc 120
 aaaacttata aataatttgt tcttaacaat aaagggttaat tcagtcgatt agaaatatat 180

gatatatctt aaaagaatat gagtttgatt tttactgttg atataaaaat tttgttggtta 240
aataatctaa ttatttctat aagtgtatgt tgagtcttga agtctgttct gattcaggtg 300
agtcccccaa acctaaataa gtgaatcccc aaaagcttgt atcatctgaa agaacttgtc 360
attaaggagt anccacaaaa attactgttt ctattctgtg aggaaat 407

<210> 24931
<211> 449
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24931

tcagtagtaa aaaaaaaaa atcataacat ggtatnatta gatatgctaa ctgattaccc 60
aactatggac cttcagccac agaaaacgac aatcaactat ttttctttct aaactagcaa 120
gcaaggcagc ttgcatgata aatacagaca cattgataac ctactagcca aataagattg 180
ctaagggtgag aaatgggcaa tgtagcttca tgcactcctt ccttgacacc taatgggggtc 240
ttcaagggtcc tattcttaga tgggaggctg gaggcctaca caaaacctat gagagctgca 300
gaactgatgc tagaatactc tggacagttt gtttgtgact ctactacct caaagtcgga 360
catcgcatte atgggcttct agctgatgac caactgaaa agcgcagatt ctacttcctt 420
ctaccaatag agctgctctt ctctgtgct 449

<210> 24932
<211> 422
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24932

agcttgcttt ttatagtaag gaatgaaggt tttaggggaa tgtaccgtgg cctttcacca 60
acaatagtgg cattacttcc gaattgggca gtgagtttct tttccttttg ccaactctaac 120
tacattgatc aatgtctatt gcaactaaag atgcaaggct ctgtgaagca gggtttgat 180
ttacttttgt ttgcttgtt ttcagcatte atttcccttc catcttctca tgatcatatgc 240
acaaactata cataaacata gacgaaacat aattgataag cccaaaattt ggagttacac 300
gggtctcatg aatagctgat gattatcttc aaatcaattt ttatttgtct tataatcctc 360

tctaggatac agtctttaca agctacctga ttgttcatta ccactagttn ggaaaattct 420
tg 422

<210> 24933
<211> 442
<212> DNA
<213> Glycine max

<400> 24933

atgatgaacc aagacatatt gatgatgcca atagcccagg tgattgtttc aagattgatg 60
caagacttct agcgtcaaga atccaatcca agactgatga ttcaagagaa gagatcagga 120
cgccacactt caagacttca tataggataa gtatgaaaag aattttgcgg agaccaaata 180
ccacagtttt gtgttacaga agaattttct caaattttgt aagttaccag agtgattact 240
ctctactcat cgattaccag tgaccagatt ggttttgaaa aagttttcaa atgatttgtg 300
acgtgccaaa acgattttca aatagtgtaa tcgattacac tatattacgg atcgattaca 360
agtgaatctg agcgttgga tgtacatcca attgtgaaga gtcacaactc ttcatcaa 420
acatagtgtg atcgattaca cc 442

<210> 24934
<211> 249
<212> DNA
<213> Glycine max

<400> 24934

tgccctgcatg catgcttttt tttcaatttc tacctagatt gatagtgcgtt gatattatga 60
gcttgagcat ttctagagaa ctgcgcactt attactaaag ccatttgaat atacaactaa 120
ccatagttgc taattgtaat cgaatactga ttaagccaca gtgatccgtt acgtatgagc 180
ataatagtat acaccaactg tacatatata atgtagagtc gactcatatc agcaattata 240
ttgtggtca 249

<210> 24935
<211> 423
<212> DNA
<213> Glycine max

<400> 24935

gaaactaagc ttctgcatat taaggcgtct ctatagagtg attgtctact tttgtagaat 60
tcttgactcg gtcttcgtct aatgaatgcg gtcattgcaa tatctattga ctgcattaaa 120
tgcacattct ttcttcatgc agagaatcca ctctttgcta ttaggggtgtt gaacactaca 180
acagacaaac acttccttaa tagctagaat atgtatgtgc accagagctc ttcttttgat 240
gacaattgaa cactttcaaa tcttgatttc attgattctt catctgattt gacaaatctt 300
ataagaatgt ttatgcaata catatattag acatagaata ttcactgaac ctttacatat 360
catctttaat atctgatcaa atcgtacttc tattcgtcta tcgcatgaaa cattacaggc 420
aca 423

<210> 24936
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24936

agtttctttg tgaaaacttc cttgagaagc ttctttgaga aaacttcctt gagaagctag 60
agcttagcta cacacacccc tctaataact aagctcacct ccttgagaaa cttccttgaa 120
aagattccta aagaagctag agcttagcta cacacacctc tctaatagct aagctcacct 180
ccttgagatg agaagctaga gcttagctac acacacccta taataactaa gtcaccccc 240
attccaaaaa tacatgaaaa tacaataaaa agtccttact acaaagacta ctcaaatgc 300
cctggaatac aaggctaana ccctatacta ctagaatggc caaatacaa ggcccaaaag 360
taggaaaaac ctattctaatt atttacaag aagagaggat ccaactctga cccat 415

<210> 24937
<211> 449
<212> DNA
<213> Glycine max

<400> 24937

gtcggctaga gaggcagggg acttcttttt ttttccttct ctctatctcc agtgacgagg 60
tgcttgaagg ttattgaagg agtctatgtg agtttgctag ctttttttac atgctcatct 120
ccattcttac atcttcagct cactagaatc cttacatctc tcttttgctc cattttcatg 180
accaaggtct acgaggagct caagattcca actcaacca cactcatctc tttgcttct 240

tgtgtcaaaa aagaggtaag ggaggagcaa ttgatctctt acgacccatg ctatgttgct 300
atgaagctca acttcattta tgttgtgggt ctggtatgaa actagtaata tgcaattgtg 360
ctactatgat ttctgggagt tgaattctag aattctgggt tcaaaaaaga gattctagat 420
ccttaagaaa tcatacatga tatgtctta 449

<210> 24938
<211> 412
<212> DNA
<213> Glycine max

<400> 24938

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacac ccttctaata 60
actaagctca cctccttgag aagcttcatt gagaagattc ctaaagaagt tagagcttag 120
ctacacacac cccctataat agctaagctc acccccatgc caaaatacat gaaaatataa 180
aaaaagtccc tatttcaaag actactcaaa atgccttgaa atacaaggct aaaaccctat 240
actactagaa tggccaaaat acgaggccca aaagaaggaa aaaccaattc taacatttac 300
aaagaagaat ggatccaacc ttgacccatg ggctcaaaaa tctaccctaa ggttcatgag 360
aacctaggg ccttcttttag tagctcaagc ccaagcctct tggagtcttc ta 412

<210> 24939
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24939

tgannattga gtgaggaaaa natgtctctc actaagctta ttcattactt ggtaagatta 60
caaaatatat agagaaaaga tggaagagag agacagccta ctctcaggcc tatctctgct 120
aacttctcag ataagcaaaa tattacatca gtcatacatc aagtaaagca agatattcaa 180
cactccccct caagctggag catataaatc atatgcacca agcttggaac atatagattg 240
aatcctaggt cctctcaagg acttagtcaa aatatctggt ggctgatcat tggaactaat 300
gaactcagtg acaatctcct tggacaatag tttctccoga atgaaatgac aatcaatctc 360
tatgtgctta gttctctcat gaaaaacagg attcgaagca atgtggagag cagcctgatt 420

atcacaaat aacctcatnt gcccaacttc acanaatctc

460

<210> 24940
<211> 417
<212> DNA
<213> Glycine max

<400> 24940

agcttttttat tctggtctct gccagtgaag ggatcgatgt ggggtctgaat agaggcaaat 60
ttagtcatac tgcttagacg aatgagaaaa ctgcggcata tgaacagggt gaggatgaag 120
gagaagcccg tgctgtgact gacattccta tacagccaag tttgccacca actcaactgt 180
gtcattactc atgcaatacc ataccttctc cttaccacc gccagttat ctcaaaagg 240
ccatccgtaa aatcaaccac atagtccacc taccgcactt acaatgacta acaccacctt 300
tatcataaac caaaacacca atcaagagat gaatcttgca tcgagaaagc ctgtagaatt 360
caccccaatt tcagtgttct atgctgactt gctcccatat ctacatgatg attcaat 417

<210> 24941
<211> 474
<212> DNA
<213> Glycine max

<400> 24941

ctcagaacac tcaagcttgg aacctatggt ggtgatatgc taagatggac gtgttgactt 60
gtttactect ctaataaaga gtacaacaaa ttttgtgttt gatgatttag gttttctctt 120
tttctttctt gttcatatgc aacgttcatt tttttctctt atttgcttct attctatctc 180
ctatctctat atatttggca tgggtgtctt cgactatctc acgttccaat tgagatgaga 240
gataagaatt tatctaatat ttgtgtcttt ttatatactg tatataataa tcacattttt 300
atactataat taaataataa gataaattgt ataaacttta gcacaataga aatgcagacg 360
cgagaactat tactaaaaat acatatagaa tttattaatt ttgggtaata gttaacaaaa 420
atcaaaagag tgtagtggag atggtgacat tttaaaaagt taatagcaaa agag 474

<210> 24942
<211> 411
<212> DNA
<213> Glycine max

<400> 24942

tttcttgctt tgaaaacttc ctttcaccct aggccttaga aactacaatg gttgagtgag 60
aatgggggagc tagttgtaga tatacaagtt ttgctatgct ttttcattgg aaaatatggt 120
gatgagatac tgtttgatgt agtccctatg gagcctagca atctcttacg tggaaggcct 180
tggcagtatg ataaggatgt tgttcataat ggtgtcacia acaaatttgc atttgtacat 240
aaaaggaaaa aggttaccct cacacctatg tctccaagtg aggtttgaaa ggatcaaata 300
atatatgaga gtgataagag aacaagagac taaagtgaaa ctttgtaaca taagacacca 360
aactgaaaca tagataaagt atcttattac acaatttgac tattattact a 411

<210> 24943

<211> 442

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24943

tatagttatt ggagggagaa taaaacaatc caaaatttat tgtacctttc aagtaacgaa 60
gaattctttt tgcggctttt agattaggag aggtaggagc ctccataaag cgacacacaa 120
ctcccaccgc atatagaata tcgggccttg tattgggttag ataccttana ctccccacaa 180
gactcttgaa gatcgaggag tctaccttct ctcttcatc aaactttgat aacttcaagc 240
caccttccat aggtgtgttc acaggattgc aatcaagcat attaaatttc ttcaacactt 300
cttttgtgta cttttcttgt gagacaaaga tacaccattc tttgtttgct tcaattccat 360
tcccaagtaa tatgacatga gtcccatatc tgtcatatca aattcacgag acatggactc 420
cttgaagtct tcaaacaaat tt 442

<210> 24944

<211> 419

<212> DNA

<213> Glycine max

<400> 24944

ttgcttatac aaatagaaaa gagaaagaaa gtaattgcat tattaggcta aaataaaatc 60
tagagaaatc aacactaatt tctaaagcca tttgaatatt aatttagcaa tagtttctaa 120
ttatatttga atactgatta agccacagtt tccggttaca tatgagcata attgtatata 180

ccaattgaag aaaattaaaa taggtctctc aattcggcaa ttagttgtcg tcgttagagt 240
gaagagagga gaatgtgaac catggaggcc tcaacctctt aaatagaaga cttgtggcca 300
caacatgggtt gggtggcaag atagacagaa tgtgagagaa gtgtgagcta atgctcttca 360
cttttgtaaa tgattcctat cagcaaccaa tttggtaagg agattgactc cttcacatc 419

<210> 24945
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24945

tataaaacta agcttacaag caagcttcca tcacaatgat tggccaacat taataatgtg 60
aagaggatgc ttgaatatat gggttaaatc cttctgtgca taaaccgagt cgcacattcc 120
gcagatcaac aacaaaatct gcatgtaccc gatcaaagtg ctttcaggct tcaccatcag 180
atggatggcg taacatgcct gaagatcttc tattctcata gtgccatgac atttgtcttg 240
cagtttgtat tgatgcaaat agtctttaca accttggaat tataggcaaa taaaacatct 300
cctttattag aactggtttt ttgttgcttg ttccaacagt cttcgcacaa tacctgngct 360
tgttacanaa attgcattca attaaagctc catcattgtt ataatacaac atgaagcctt 420
ccacaaaaca gtcaatcctc ttagcctcca atcccaactt cgatact 467

<210> 24946
<211> 336
<212> DNA
<213> Glycine max

<400> 24946

tttgcttatt gactaacaga aagatacgcc ttgcacccta acttcctaac actctgatac 60
taacctatc ttctgccac atgagtcacg cactccactc tgcattggctt ctatcgtaat 120
ccttcacata cgctagagtg gacttctccc tatatgggct tactctcttg acttcttgca 180
ccccctttgc tctcggcaac tactccacat gcttttccgt aacatagaca cacaattttg 240
tgcgtgaaag aaaaatacat atatgcatta tgcattgata tacatatata tctctatata 300
tatatatatg tatctatcta tgccattgtg ctatat 336

<210> 24947
 <211> 219
 <212> DNA
 <213> Glycine max

<400> 24947

gcatcaatgg ggctaaacac acctgcagat catgatgatg gctgggtcaa attcctacaa 60
 aggctatcac tcttcaattg atgaacattt accacacttc gtgtacgtat accataatat 120
 atagattaat atgcacaagt tggatcatgca aacagaatgg acctaaaata tgaaacgtag 180
 aaacccatca taactaaaga cattaacaaa actaacata 219

<210> 24948
 <211> 368
 <212> DNA
 <213> Glycine max

<400> 24948

acacaccgct cataactaag ctacactcct tgagaagctt cattgccaag atgtgtacag 60
 aagtttagagc ttagctgcac acaccacta taatagctaa gctcacgccc atgcctaaat 120
 acctgaaaat ctgacaagaa gccctatttc atagactgct ctaaatgccc tgaagtacaa 180
 ggctaacacc ctatactact agaatggcca aaatacgagg cccaagagac ggagaaacca 240
 attctacaca ttctaccaga agaatggagc caaccttgac ccatgggctc gacaggctac 300
 ccacaggttg atgagaaccc tagggcctcc tatagtagct caagcccaag cctcttgag 360
 tcttctat 368

<210> 24949
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24949

gctgaangcg aggaggaaaa aatggcactc actaagctta gcatttcttg taagaggcaa 60
 aagatataga gaaaagatgg aagacagaga cagcctactc tcacgcctat ctctgcgtac 120
 tgatcagata agcaaaatat tacagcagtc atacatcatg tcaagcaaga tattcaacac 180
 tccgcctcaa gctggagcat ataaaacata tgcaccaagc ttggaacata tagatggaat 240

cctatgtcct ctcaaggact gagacaaaag atctgatggc tgatcattgg aactaatgaa 300
 ctcaagtaca atctccttgg acaatagtgt atccccgaatg acatgacaat caatctctat 360
 gtgcttagtt ctctcatg 378

<210> 24950
 <211> 225
 <212> DNA
 <213> Glycine max

<400> 24950

tggcgccctga tgcgggtatatt tctccttacg catctgtgcg gtatttcaca ccgcatatgg 60
 tgcactctca gtacaatctg ctctgatgcc gcatagttaa gccagccccg acacccgccca 120
 acacccgctg acgcgaaccc cttgcggtcg gatagaatat catgctatat tatgtatgct 180
 atacgaacta attagatgtg agcactgact tgaaatagcc attcg 225

<210> 24951
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 24951

tatgtttgtc tgtcaaacag tataatagta gactgctgat tcategatta cagtaacata 60
 agaaagagac actgaatcgt gaccgtagct gaataaact ctccacgag agtcactcct 120
 atatttgcta gctgaaggca tacagcttct accagtcaca tgatccatat tgaagtgacc 180
 ttttgtacac atctactggc agcatcactt tctacgtctc tgatatcctc aatagtggga 240
 gactttgagc agatcaacca tggaaggcaa gcctctaata tactc 285

<210> 24952
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24952

ctcaagctgc ctccctttta gggcattttc tgccacaatc tagttgctta caatcggtac 60
 ctttgcatta gtaaaaccaa tcgcatgcta atatgtaaaa tgtaaaatat aataaaagta 120

aagaattaaa tatgtactaa tggtagtca atttctcatc tcatttgtgt tgacttgtgg 180
catttaacga atattctctt ctcttattga cggacataca ctactacat gaattctaata 240
tctacttgc t tatgaaggta actctgacta taataatggt ttaagtaaata aatatataac 300
ggaaaaatta taaatgtcgt ctttattaaa gggtagacagt gaccaacgta ctttaattatc 360
aaaatgaaat ataaataaga taataatggt agatcactan ggctaaacct ttgtcaagat 420
gtgaatcaat acttgccatt gatcct 446

<210> 24953
<211> 411
<212> DNA
<213> Glycine max

<400> 24953

gcttgcttca tgggagtga cagaggcccc tgcattcatgt tcaaaaagat tagtaattcta 60
attccatttc tttcttgcatt ttgcaaagc atgaaagaaa cttgtgttgg catctccatc 120
actcaaccaa tagattttcg ccctttgctt ccaaaagtgc tcttcttgat gaagcaaaga 180
gtttaagtgg ttatttaatt ccataattg agcaactgag aggatcttca agttgtctac 240
aagcctccat atctaatttg cacttggtta tgtctgatac gaataactac tctattctac 300
tgctacagct aaggaactaa ggaaagctaa ttgaggtaat tgttctcatt ctttatttca 360
ttccactgct tgatatactt atactaagtg ttctaacaga attggaaatg g 411

<210> 24954
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24954

taagaaaaca tcagaagttg ttctttgttt gcatatttaa caaagggttag atttgagtgc 60
ccttattcaa ccccttctag ggaccaactg atccacctca ctttccctta aggattccat 120
tttaaaatca aaaaggattc ctatttggtc gacctcatca aacatcatatc ttaagctctc 180
aacgatgatg aggaatagaa atggcgatat ggatctccct gcattgatca cctattctta 240
cttcttttgc tggactcctg ttaactaata gtgacaccat cggtatcact ccctaactct 300
taaccttctt ttatttgcga attgtgagcc tcattctctc cattatataa tccaagaaat 360

cccaactcat agaatcataa gaattttcan aaccaactnt anataaaaga gtttcctttn 420
tctccttcat cattgcatca accaac 446

<210> 24955
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24955

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atataacgag acgctcgaaa ttgaatattg aacctctgag gaaattcaaa cgacaataac 120
ttttttctcg gatgtttgat tgagactcgt attatatcga gagcctcgaa attgaatgtt 180
gaagctctga gccaatcaac acgacaataa ctttttactc ggatgtctga ttgactctcg 240
tcacatatcg agacactcga aattgaatgt tgaagctctg agccaattca aacgacaata 300
actttntact cggacgtctg attcagtcct gtcatatatc gagacgctcg aaattgaatg 360
ttgatgctct gagcaaattc aaacgacaat aactttntac tcggatgtct g 411

<210> 24956
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24956

ggaccttaaa actaagctta ancattcaat ttgagcgtct cgtaatttta cgggactcaa 60
tcagacatcc gagtaaaaat ttattgtcgt ttggattggc tcagagattc aacattcaat 120
ttcgagcgtc tcgatatatt acgggcctca atcagacatc cgagtaaaaa gttattgtcg 180
cttgaattgg ctcagagctt caacattcaa tttcgagcgt ctcgatatat gaccggactc 240
aatcagacat ccgagtaaaa agttattgtc gtttgaattg gctcagagct tcaacattca 300
attttgagcg tctcgatata ttacgggact caatcagaca tccgagtaaa aagttattgt 360
cgtttgatt ggctcagaga ttcaacattc aatttcgagc gtctcgatat attacgggac 420
tcactcagac atccgagtaa aaagttattg tcgtttgaat tagctcagag cttcaac 477

<210> 24957
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 24957

agcttgTTTT tgaaagTTTT tccccTTTT tttttggaat aagaatagta ggaactatga 60
 agtagataac aaccccagtt ctaccgcatg caaggaaatt agtaaaggcc caatagagaa 120
 agtttattgc acagcttaaa ccacaagcaa tttttctcgt gaaaagatgc ctatcaaaag 180
 aattttgaaa gcttttagga tattggaact tgtgcattcg gggaagggtga gagtctgtca 240
 aaatccttca tcatttgtgt caatttgtac tccttgaaag gttatagtgg gaataatgtc 300
 caattaatgg tgatacaata acacctgtgt taattagtct taaaagttaa aaattaagtc 360
 gtaaaattct taccgaaaaa ttaattatga catattggag tgttgacagt gggtataagt 420

<210> 24958
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24958

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 gtggatgggt tgttttagga ataagagcca agaacgaggc attgctgcct atagggaagc 120
 taccatgaat atggaattca tccacaaatc tcctgaattc aggtttcaaa accccccaaa 180
 attccttaat aaaattgaaa ttaaagccat ttggccccgg acatttgtct ccaccacaac 240
 tccaaacaac atctttaagc tcttggtctg aaaaaggggc agtcaccccc tctttgcctc 300
 tgatcaatca tagggaaata taccatcc agagaaggct tgaacaattt atcttcagta 360
 aatctatgga gaaagtatnt gagaacttca ttcttgacta aattaggctg ctgaacccat 420
 acaccatcaa tgaagattcc ctgacaagca ttgaagtctt tt 462

<210> 24959
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 24959

agctttgtgt tatcgattac aaggatttgg taatcgatta ccagtgacaa gttttgaaga 60
 aaaatcaaaa gatgtaactc ttccaatggg tttcaggttt ttctaaaggt tataactctt 120
 ccaatgggtc tcttgaccag acttgaagag tctataaaag caataccttg atttgcattt 180
 gaagactact tacaatactt acaaccttta caaacaactt ttccacatat tcttttacia 240
 cctttgaatc tctttgaact tcttcttctt cttcttcttc ctcttttgca aaaagctttc 300
 taaagttatc tgggtttccga accttgataa caacagtgtg ctattcatcc ttttctttct 360
 ctactccct 369

<210> 24960
 <211> 459
 <212> DNA
 <213> Glycine max

<400> 24960

tggtggagat tgctgaaaat catgggagaa ttggtttgta ttacatgcct acaagtgctg 60
 ataaaaagag gattgatttg gaaaggaaag agaaatgctt agctcgttta caagggcgag 120
 aaccacgggt ggagaggggtc cctatctacc acatcattga gagctttgtg agtacagggt 180
 gtatgtacga agatcatgtt gctatgctgg atgaaaagac cgatcatgat caaccaaatt 240
 ggggtgcagcc atgtcccata gactttgatt gaaaaattga catatcatag agcaacccaa 300
 gatttatgtt tctaatttga tgtcaatcaa ccaaactaag gaagatgaag agaaggatta 360
 aggattgtct cctgatttgt tgaggatggg ggtgcatgac aagagggaaa taaagctgca 420
 tcatgaggaa tcagagcttg ttaacctgcg cactgatga 459

<210> 24961
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24961

agcttttatg aaagaatata cgaaaattat ctatgtgaat cattcttttg ttattcttg 60
 taaagttttc tgtaaattct tgtaaagata caaaactttc aaaacacctt gtatactttg 120
 agagaaaaga ctgaaaatgc taagtggat atccatctat aagatgatca tactttagtt 180
 ggtgaacaac cttccaacaa atcatgttta tttattttaga gccaatagtg gcttggtaaa 240

acaaagaatg atgaatttaa gttaaacttg nggtacatat agtaaagtga agagtcaaaa 300
 gtgacagtaa aaaataactta taacattgat aagttagtga aaacttacta tatgggtgtc 360
 aagaactaga tgtagtcttg aggttgatac gaactagtat aat 403

<210> 24962
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24962

tgtagcanat ntaattacag aagcaggtgc aaatcgtgta cttgcttgtg acctccattc 60
 tgggcagtc atgggctatt ttgatattcc agttgatcat gtgtatggcc aggtaacgga 120
 ttattatgtc actagcatat agtaatagca tggaagaata aaaagcattt aatctattaa 180
 actcaaacaa acatggcttg gatgtgttgt atattagtaa tttgtaattg atagtccatc 240
 caataatttg ttaatttatt gtatttatgc atctcaagtc tgaattgaaa tgaagggaca 300
 accttctgga aacatgctta ttttactgtt tatagttata tgatcattta aatttacgat 360
 ttctgtagta aagaaacttc aaatctagtt ttcttttagac gtgctaaaat cttctattgt 420
 tctatttatc ccagatcagt cacacatgga ctctaattg 458

<210> 24963
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24963

agtttgtaat tcttgatccg cagataacat aggtggtaaa gtttgggact ggaacgagtc 60
 accaatggct ttcttgagga aagagaaata aaatgtcaga tgaattttac tgtgagatgg 120
 aagatccaac ttataagcaa caacaccaac cttgtttaac acctggaaag gaccataaaa 180
 ccaaggggag agtttttcat taatcctttt agccaaggat cttctcctat aaggttgcatt 240
 cttcaagaac acccaatcac cgactgcata ttctatgtct cggtggcatt tgttggcatt 300
 tgctcacatg atatcttgag acttcaacaa attttctctt agagtagcca ataattcatt 360
 ccaagaaatt nttagtttat tgacttcttc 390

<210> 24964
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24964

tcttagccaa cttgcttcct cactagcagt tgctagtgt atcatctcag attccatagt 60
 ggactgagct aagatcattt gtttctttga cttccaagaa acagccccac cagctatgct 120
 aaatatatag ccgctgggtg ctttggaatc atctgagaga gtgttccaat ctgcatcggt 180
 gtatccttca agtacagcgg gaaacctttt ataatgtaat ccaagattta tggttctttt 240
 aaggtaacctc attacccttt caatagcgtg ccagtgtcc atactagggtc tactggtaaa 300
 cctgcataat aatcccacaa cataggctat gtcgggtcta gtacaatcag tggcatacct 360
 aaggctgcca atgatacttg cgtactcagt ttgtcgtata ccttcaccag tgttcttaaa 420
 cagttntaca ctnggatcat atgggtgtact 450

<210> 24965
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24965

atcaataggt tagcccatcc tcttatgact ctaatggtgt tggactacca taatacaaat 60
 agcgtaacta ttttgaattt tctctttcca gagaataaaa aaaaggagag aaagataaga 120
 gtataaacac accaagggtt aggaccgtta ggtggtatac cttttccatt tgatgttggt 180
 agttatagtt cattgtgtat aataatcaaa tgaaatattg atgttcaatt nttttcctgt 240
 tatcttagat aagttagatg tctgtaacta tatgtatagt aatccctaag attaagagat 300
 aattatctct tgctgtatca ttattatcat gtgtatatat atacagtcct agttgaggat 360
 tctcttcttc aggaaatcaa tgaaacattc acatttaatt caagggtgga tta 413

<210> 24966
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24966

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ngtggcaaat gaagaagaag aagaaggtta ttaagatttt catagagatt cagaggttgc   60
agaagaatat tgtgaaagat attttaaagtg cgagtcaagg ttttgctttt atagattctt  120
catgtctggt caagaaaacc attggaaaga atatgacctt gagaaaaact gaaaaccggt  180
ggaagagtta catcttttga tctttattca caagttgtca ctgataatcg attaccaaaa  240
ttatgttatc gattacacag agctttttat gaaagaatat gactcttcac aattgatttt  300
gaatttcaac gttcacatac actagtaatc gactaccaat atcttgtaat caattacacc  360
atctgaaatc tattggaacg ctgcatattc gttaaaaaact ctttgaaatc aaactttgcc  420
actggtaatt gatacaagaa act                                           443
  
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<210> 24967
 <211> 394
 <212> DNA
 <213> Glycine max

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<400>        24967

ttgcttgtca aagagttgat cgtgttgaga taatccaatt atgaccagac agaacctttt   60
aaggataggt gccctgaaat tgcattctgt atgcagtata agagtggagc aactactatg  120
ccacgtgact aatgttgaca atacggggccg gtccggctcg ctgatggccc gctataaacg  180
ggccagagta gcccggactg ctgagcataa cagtctacct tacgtaatat ggcccatttc  240
aagtttgtcc acggtccacc catgaactca ttgatatgtt attgtgagaa tatggatcga  300
cttttatcga tgctggtaac atcagtttag aatctaactc tagtctttat ataattcggt  360
ataactataa ctaataatat actatgacgt aacg                               394
  
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<210> 24968
 <211> 431
 <212> DNA
 <213> Glycine max

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<400>        24968

tggtcttgat tcttcctcag ttctttatca tgctctgtac attatagtag gccttcattg   60
aactgtcttt gggcttggcg gccacgctca acaaagtact ttcgacacct actgtacggt  120
  
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gatttcacca atgctgttat gggaaatgttg cgacaatcct ttaaaacctt attgatacat 180
tctgagaggt tegtgttcat gtggccatat cgacgtcctt cccttcgtaa gccatcgacc 240
atttttcctt tgagatgcga tctatccatg ttgctatggc tggactcagt tcacgaaatt 300
attctaaaatg ttgatcaaaa atgtgcttgc atggagtgtg agctgcataa aatgagttat 360
gaataacaat tgttagtata aatgaaagta aaataaacgt gaccatcaaa tatgaaatct 420
tacccaattt c 431

<210> 24969
<211> 409
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24969

ttgttccatg catagtgcgc aatacttgta gttcgatcgt acaagtttct caacaccaaa 60
ctgcatattt gatcagtttc ctccagtttg cgagtccttg aaaaccagtt cagtctgcct 120
taaattctta gagcgaagaa ttgaaaaaga gaagaaaaaa agcccagatc aaagtccaag 180
ctctagatac cataaaaaca ataatgaat atttgaaata tgaaaaaaca gataccaaat 240
ttttactttt ttttgttata ttttcgcttc tttttatttg ctttgattct tttccaaaat 300
aaaacatacc atcaaagtat ttttctatga acactcctat aaaaattaag tgagtttcaa 360
aaatattttt cctttgaacc agactgacca tataatctnt atcttaatg 409

<210> 24970
<211> 455
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 24970

gaacttaa at ctaagcttca tgtaaagatg ggcgaagagg gatttattac tttcgaactt 60
atacacacag atctaattggg gtcgacaaaa acacctagat atagtggatg tatagatact 120
atggcagtat atgatgatta cactcgatat acttggttgt atttcctaaa agagaatagt 180
gaagttacgc ataagtcagn ttttttctct gacatggtgg agaaagaccg tgatggaaca 240
atcaa atgct tgacgagcga ctatggatga gagttcaagt caacagattt cacagttttt 300

tgtcctgaga aaatggatcc atatgcaatt tacttgtcca gatacactgc aacaaaatgc 360
 agtggctgag aggaaattat ctcatctaac tgtagtgagc ttgtcatgga tacatgacaa 420
 aaatctgcct cgagagatat angcagaagc aattc 455

<210> 24971
 <211> 148
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24971

atatcaaagc tcatgatagc ttcacaatac taataactaa gacactaaat actatttatt 60
 agttcttatac acgcgnaatc acacagcgat agttcgact aaatattgca cttatgaaac 120
 tacagctcta acatacttat gccattg 148

<210> 24972
 <211> 372
 <212> DNA
 <213> Glycine max
 <400> 24972

tactcaagct gcgcgtgcac attatggaga aagacattgg cacctttggt ctcatagagc 60
 agctctatat aagaggaggg cattttattaa gaaatgaaca ataaatcatt acaatttata 120
 aaattacatt actcttgact ttttttatac tctgcaatca tttctacact aaatattatg 180
 attacgcaag acccataata gtaatatatg catgtcgttc tattcgttta tctgctcttt 240
 tcgctatctt gaatatgctt gtgacttgca atgatctata tatagatata tatatatagg 300
 tcaaaaactgt gacatctatc ctcataagtt gtaataaata ataaacatta atatgcgtct 360
 ggtatacgta ta 372

<210> 24973
 <211> 422
 <212> DNA
 <213> Glycine max
 <400> 24973

ttttacacct cccgctagta tgcttcaaaa taaatatata tatatatata tatatatata 60
 tatatatata tatatatata tatatatata tatatatata tatatatata 120

tatatatatg tgaaagcgta gaggcacttc tatcgtaac cctcttctgt ggggacaacg 180
 tcgataccat ctgtgtacac atagagagac atatagtact gaaacgcgtg gtatatatgg 240
 acttctaacg ttatgaacgc gcacagctag acatactcca ccttagaggg tggagaacca 300
 cgcttgagac acatatcgtc atattgaccg catcgcggtgc gcgcccgta gatcgcccta 360
 cacagtcaca tttggccgta gggcgcgggc atcctagaca cccttctgat gcaacaccac 420
 cg 422

<210> 24974
 <211> 450
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24974

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 actaggattg tctggttagc catcatcaat ctgtcatagt attgattaag caagcttaga 120
 gcaaagtctt tggcaatatc tacaggatga aaagaaagtg tagatgacta gcaacataaa 180
 tatctctatt catactttta tctatttaat tagtgattga agatacatga tctgaaatca 240
 atatgaatca aggaatagat taatctatgt tccaaaattg ggaagagact aaaaatacaa 300
 gtgtacatta acattattac tgttgtcaag ttctcaagat accttctaa gaaaacctta 360
 agcataatat ttaaagcctt taacaaaaat ttgaaaacat agcaatgaaa agtatgccat 420
 aactcttaac caatgtgtaa agaattctact 450

<210> 24975
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 24975

ttgcttgaga tgaggaagtg tagaaggggtg aaacttcctg cttttattcg ttgaccacag 60
 agtggtacat ggagatatgt cgcgggggtc atctaggact gactgttagg tttactcttt 120
 tgtttttgaa tgggtagacc tgatgtatag gaatttgatg attgtatata tgtggctgaa 180
 gccaccactg tggacacctt tgctctggat gacactatgt attttgtaa actaccatat 240

ttaggacagc tttagatgat gaatgcattt atgatcaatc ttgttatttg acaagacagc 300
 atgagccaac tttatctgta taagggtgta tcgacctgat tttattcttc tatattcacg 360
 tgacgacc 368

<210> 24976
 <211> 445
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24976

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 cctcggaagc aaaaaagaat agaagggaaa tttccaatca aaaaaaaaaa aaaagagaag 120
 gaaaattccc aatgaaagag aaaaaagaaa agaaaggaaa ttcccaatca aagagtggga 180
 gaaagcaaaa agaaaagaaa gaaaattccc aaccaaagaa tgggaaaagt aaaaaagaaa 240
 agaagaaagc tcccgggtcaa agaaactaga agaaatgtgc agaaagggtct tttgaccaga 300
 caatatctga acaatacaga attgtcacca aatgaacaaa aaaggaagga aaggaaacca 360
 cgacctanaa tgggtcttctc cctttaatta ccaacaaaaa ttccgtgcgc tagcgacctt 420
 tttttctcgc cccgcactan acaaaa 445

<210> 24977
 <211> 413
 <212> DNA
 <213> Glycine max
 <400> 24977

agttttattct aagttcaacc taccaccctc agactgatgg ccaaactgaa cggaccattt 60
 agtcactaaa ggacctttta agagcatgtg tattagaaca aaaagggagt tgggagtgtt 120
 ttctgttggt gatagagttc acctataaca atagttttca ttctatcatt ggcattggctc 180
 catatgaagc tttgtatggt agaagggtgta ggacaccctc gtgttggtga gaacctggag 240
 agaacttcac cttaggacct gaagtgggtac aacaaaccac tgagaagggtc aagttgatcc 300
 aagagaggat gaagattgct ctgagtaggc aaaagagtta tcaagataag aggaggaaag 360
 acatggaatt cgaggctggt gatcatgtat tcttgagagt cacctcttgg act 413

<210> 24978
 <211> 601
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24978

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 catcaccacc acaccccaca gagcgcacct ttgancotta gaattgactn cactntcana 120
 acacgnnaca ccacannaaa cncaagctcg agctaaaatc ccgactcatt atacaccttg 180
 tctcttggag agaatgtgag acgcttacct tcggaagcaa aaaagaatag aagggaaact 240
 ctccatctaa aaaaaaacia aagagaagga acaatccac tgaaagagaa aaaagaaaag 300
 agatgaaact tccaatcaaa gagtgggaga aagcataaac aaaagaaaga gaattcccaa 360
 ccacacaatg ggaaaagtaa aaaagaaaag acaacagctc cgggtcaaag aaactacaag 420
 aaatgcgac aaaggctcctt tgaccaaaca atatctgaac aatacagaat tgtcaccaaa 480
 tgaacaaaat aggaaggaaa ggaaaccacg acctaacatg gtctttctct cttaattacc 540
 aacaaaaata ccgagtgtga ggcacctctt ttctcgcccc gcacaaacca aaaaaacaaa 600
 g 601

<210> 24979
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 24979

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 cacaacaagc tttccacatc cacaatgcgc gcataaaccc accatgccct gttgccacc 120
 tccaactgag ctcacgtact cccacgtagg ccatattctt gcttctctca acaccggttc 180
 cccatcaatc ctatcaagct tccacaacat ccaagcaaaa caacattcat acagcacaag 240
 ctatgacagc caagcaatac agagtcaatg tagataactc tgctcaacac atcaacaaaa 300
 atcacagctg ttctcacgta aagaccacag taactattcc ttcatccaa ttctgtaacc 360
 gtaggatcga ctccgaaatt gtactggacg tctatattgt ataagcttgc at 412

<210> 24980

<211> 346
 <212> DNA
 <213> Glycine max

<400> 24980

gcaaacagac acccccaaag gagcggacgg taagagacac aaaaaaacat tgcaaacgca 60
 agaatccaag aaaaagacgg acaacacaca agaaggaaga tcgcacagcg caagagcgca 120
 actggagcac aaaacgccga cagcataagc agctaagatt atactaagac caatcaaaaa 180
 acaacaaacc gacgatcgag gcaaagacca gaaaaaaaag gacaaagaac acaacagaaa 240
 aaccgagcaa cggaaagacc gaacaaaaaa aaaggaaata cgagagaaaa aaaaaaaaaa 300
 acacccgcct caaaacccca gagaccgga acgaggaaga aatacg 346

<210> 24981
 <211> 122
 <212> DNA
 <213> Glycine max

<400> 24981

cctgagcgag agctgatatc cgtcaacacc cgttgacgag aatacctaga caactcacc 60
 tactgactta cattcactcc ttatgccttg cgatggacaa tgagtaagtc caatcggcac 120
 cc 122

<210> 24982
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24982

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 cttgacccaa atcggggacct accaatagaa ccaaagttat caaaaggagc gtgactcctaa 120
 ccgcgacctg tcaatagaac caacactatc aagttcttac ttaacccaag aataaaggaa 180
 aaactttcac aatagagaaa ctctcaaatt tcattgattt tcaaattctg ccattggaga 240
 gtacaagagt ttccaattta tagactaatc ttgaaatgct ataataaaat cccactaata 300
 tgcacttacc aaatgcattg ataattgcat gtcactaaat gaaaataaac gacaataaag 360
 atgaanataa attcccacta gccactaaat gacctagagc attctagaaa cat 413

<210> 24983
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24983

ntatgcaagt cagctttcaa gaggcattct ggagatttct tttttttcat atcngcgcaa 60
 aatctcttga attatgaaga tgttgtccat catctttttg ttcttaatga aagcagtttg 120
 agtttcccca ataatagtct caagcactgg ggctatgcgg ttggccagaa ttttagacac 180
 aatcttgtat aacaaattac agcacgatat gggcttaata tgattaacct gtgaggcctg 240
 atcatgctta ggaataagcg caataatagc atgggtgagc tgcttttagaa tttctccagt 300
 tgtaaagaat tcattatccg cttcaaagat atcatgacca gtgatattcc aagccttctt 360
 gaagattaaa acattgaaac catctggccc aggagctcta ttgttattca tcacagacat 420
 aacgttccaa acctctt 437

<210> 24984
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24984

agcttatttt atatgcatnt attgttagac tagacctatt aacctgtgat gatgcaaact 60
 acaaatgaga cacaggatcat taacaaaatg cggaaaataa aaattaaatc atacctacaa 120
 tcattgccat gaagcgttgt attgttttgg ttcttccaag ctctatgtct gtctctatct 180
 agatggcgga tcataatgaa tcttcagaga tgagctcaag gaccaaata catgtgctat 240
 atatggcatt ctaccatcaa gaatgcatta agtagtcatt accactcatt atagattgtg 300
 ataattgatt attggtcatt accaccatt aacagtaatt caatctgggt ccagaaactg 360
 acgagcgatt caat 374

<210> 24985
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 24985

catgcattaa tcaacaattg aacacgtata tggtatcaaa ttttcttttc agaactatac 60
ttactaaaat ctagagctgt cctcgtcaa ggtggacgtg gccaatgtag gctctaagat 120
ctcgcacgtt aactgagag tagcctttgt taaaaggaca agtgggggga cctgccaaat 180
aaaggacttc gacactgaaa taagtacgag agttaagtga gaataaattt tgtaaaaggg 240
tgagatagaa cctgggtactt atagagtggg gtggaagctg caggctcctta tttgttgagg 300
ttgttacggg gttgtaacaa cccttgacga taatgactag ctagtacata attgtagctt 360
acacataatg ttgtccttat agatcattga atacttgcca caatatataa aggtctcaac 420
atattcatat aatgggtact tatagataac ctg 453

<210> 24986

<211> 585

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24986

acccgcgacc ccgcgacccc cncaantagn gtgtattaac ncctccgaac canttcccat 60
ttncgatnnn ncnnnnnncc ggggcggggg gnattaggac gtcgtcgaac atccgagagc 120
gaaacgagct ccgcacccga ggatcctaga gagacgagcc gcaggcacgc ttgctattgc 180
atgcgaccga ccgcccagag agagaaaggc ccacgggtcca gacagctcag acagacactg 240
ctgctgtaag atccggagag acaagagctc caagcgcgac acccccacat accccgagaa 300
gacagtgcga gcgacagaga gatcctcgag gtgaaggaga cctcgcccca ctaagagctt 360
tgccagcaca acgcatgagc aactcagcgc ggcacaggac gcccgggacc acggaacgct 420
aagacacacc ggcggagcct ccacgcagga ccgagcgcaa atagaccaa agacgatcaa 480
gagcgcgtag agagctcaca gtgcaatccg caaccgcgga acacacgcca ctacctngca 540
caccgacaac gccgctccag gaaggccacc cacaccgcca acccc 585

<210> 24987

<211> 394

<212> DNA

<213> Glycine max

<223> unsure at all n locations
 <400> 24987

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ttttcttctt gtatgacnga gtcaaaagag gcaacattgc ttgaagcaga gaagatttcc 60
tgtcgtaaat ctgaagtgga tttcaagttc ctgtgttctt tggttggttc tcaagtcaag 120
aattgcgaag taacacattc ctatcttttg tatttattgc tctttattat tattattatt 180
attattatta ttattattat tattattatt attattatta ttaagtcag ttttacgaaa 240
ttggaggatc tgatggagca acttctccag caattgatgc ttttaaccctc tctcatactt 300
actctctgct gtttagctata attcaattta actgtccacc atcttttctt gcattatgta 360
gaattctact catcttaatt ctctgcttta tatt 394

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<210> 24988
 <211> 463
 <212> DNA
 <213> Glycine max

<400> 24988

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ggaccttaga aactcagctg accccaaata ataatgaaac catgtgacct ttttgataa 60
agaccacttt ctagctcagg cctagagaag acatgtcact cagttaggaa atcagctact 120
tgaggacaac aacagttgta tacaatgagt catctatgga catgttgact tatttgctg 180
gttcacaaca gacatcttgg tatcgaccca agttttcatt gccataagtt ggtcatatgt 240
gaagatgcc aaccactcgc ctagaggaag agagagatgg gccgaagagc aagtagaggc 300
actatgggct tataggtgca cccctcagtc tacaactcag gaaattcatt cttggctaac 360
atacgggata gacacaatgt tacatgttga agtaggatag gcctttctcc gaagacatta 420
ttttttcgag gcccaaaaca acgaagcact ataggtggac ctg 463

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<210> 24989
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 24989

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tgtttatacc tctactacacc atacatttct gaacataaccg ggagtatcga atgagcgaat 60
gtcatatctt gaatataatc tatcctgcac tcttgaatcc aggaattaaa ttgccatcat 120
caaacatggg gagattgtct aagcaaagac tttcatgttt tgacgatgca atgcgaccat 180

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gcgctttctca agtataatth cacatcctac tcctagaatg gactcgggaa tgtttctcagt 240
 taaagttcca ccaatataac tgcccctata agactttctt ggaacaactc tagtactcgg 300
 caatgttcca tgtcatatct taaatgcatt ctat 334

<210> 24990
 <211> 551
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24990

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 cnatgaacct gantcctngc atgcaagaca caanaaaccc aagntgggag gantaggagg 120
 caccacacac atgtggcact atttggttga cgggcgaagg cgcacaacaa gcgtcgcaca 180
 ttcacaatgc gcgcataaac ccaccatgca ctgcagccca cctacaaccg agcacacgta 240
 ctcccacgga gcccatatcc acgagcatga gaacaccggg accccatcag tcctccaaag 300
 cttccacaac gaccaaacaa aacagcattc aaatagcaca agcgatcaca gccaaagcaa 360
 atagagcaaa cgcagaaact ctgccaaaac accaaccaga tgacagctat actcacttag 420
 agaccccgat aacaagcact tggggccggg cgattaaccg aaggacaaca cgaaaagcgg 480
 acaggaagca ttacacataa gcctacactc caccgtggga ccactagaaa acaacagaac 540
 gattctgacc g 551

<210> 24991
 <211> 541
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 24991

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 agagagnnnt tgtgtgagtc gtggacagca naggaacagc acgcgngagg aanagaaga 120
 cggcagcagc atttatthtt tgctgcgaac caggcaagga gggcttgact cctcaacgag 180
 catgagaacc aacagaacgg gcatcccatg accacaaatc caaacgttga aaccccgaaa 240
 aacagcactc acggtaacgg ccacgcttct aacaagaata atgctaccaa tggcaacacc 300

aacaacaaca ctgccacaca tcaacctgga atgaaagccc aacccaagc aactgctaca 360
gaagtgaaca tgctcacaac gagcaacccc accaagaang gcgatacaaaa aaaaagaggg 420
aacaccacct acgcaacagc cagaacgcta agtgacatga ataaaaatcc aagaacacac 480
atgcttgagc aggattacac caccgcagcc gagagaccta gagcaaagca ggagcagaaa 540
g 541

<210> 24992
<211> 164
<212> DNA
<213> Glycine max

<400> 24992

tgcttgttta agggagacat gatacatgta agacttgggtg ggatcaagat caagggatgc 60
ccgacattat ttccatgaca ctatgcagga agatgatcgg aaactttatg caagactgga 120
catgcatgct cctatgggcg ctgaagcgcc agatgatatg ggca 164

<210> 24993
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 24993

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atgcccccat ctatcgacag ttacattga catggctcga gaggcacgta agacactggt 120
acctatcgaa aatatggcac tcgatacatg gggggatgac gacaccacga cctcaacaca 180
gctctgccat gtataggatt ggcgtaatca ttactccctt tgatggccct taggctctcc 240
tactgaggt gcaatgtctc ccttccctcc atggccaaag gnatgctgcc cacagagaag 300
ttgagagggg gcagcgagcg cgtgtaaggt accctcaccg cattgtgccg acgtatacta 360
ctactacgtt gtccgtcagt ggcgaaacata ttggatggct cagagccacc tacagcatga 420
tccc 425

<210> 24994
<211> 416
<212> DNA

<213> Glycine max

<400> 24994

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cctacaagca gaaaggggaag caagggaaag ggtgatcgat tcattgcaca gagaagcaat 120
gatgtggatg gacaggttca cctttacttt gaatgggagt cagagagctt acccgactgc 180
tatccaagga caaggcaatg ggagatgaga actcgactcc caaagaggtt cacaggctcc 240
tcaattatTTT ccaacaaatg attatctgat ggccacata attaagagct actatggcaa 300
ttgtattgtc gctgtgaatt tgattagata aaccctgttt gttccccaat aaaatgatgt 360
tgatttaatc ctgtgtgttt aaaactctat gtgaatgcaa tacttcgaca acttat 416

<210> 24995

<211> 243

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24995

tctaaaacgc gggaacgtgc tcaaatatgt ggagcaattn cggtctgttt actggcttga 60
ttgggttaga ttgagggttt gattgggatg gccctatgcc tacaatgcat tttgaagcaa 120
tggggcatgc cacatagtcc ccgttctctc gctattgatg cctaaacgog cgcccaccaa 180
gtgttcagag aaatgcctca atgtccttaa cgtgtgacta ttgttaagaa tcaacccatg 240
ggg 243

<210> 24996

<211> 385

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 24996

tttctagctc attgctgcgg aacctgtgca tgtcatggct tcactcctca aggagcatga 60
gtaccaagag attgggtatc ccatgatcac aaatccaaat gtttaacctt ctataaacag 120
tactcatggt aaccgttatg cttctattat gaataatgct atcaatggca tcaccaacaa 180
caacactgcc aatcatcacc ctggaatgaa tgcccaaccc cttgcttctc ctacagattt 240

gaacatgctc tatttgagca accccaccaa tcagggtgat aattaataag gagggatcac 300
tagctacgct tcatttgcca ctctatgtgt cttgaataat aatccaataa cagaattctt 360
agttatgctn ttacctatgt atccg 385

<210> 24997
<211> 417
<212> DNA
<213> Glycine max

<400> 24997

agtttgactt ttaccagta ttctttgtcc taccaagtca ctactggctc taagcaaadc 60
aacaagattt gttggaagat tgctcactga ctaaagtatg attgtctaata agacgaatat 120
atcacttagc acttttagtc ttttatctca aggtatacaa ggtgttttaa gagctttgta 180
cctttacaag aatttacaga aatctttaca tgaaagaatg aaagaatgat tcacgtaggt 240
gattcatgct ttgtttcttg aatgcttctt ctatatatag cgttcatgct caagtatttg 300
ttatctctca acagttggat tcttcgcttt ggtcttcgtt tgatgtcttg agtctgttgc 360
aacacgtcct tttttcatgc aaaaactatg ctaataggat aatatgtctt gtacttc 417

<210> 24998
<211> 466
<212> DNA
<213> Glycine max

<400> 24998

ttgagccaaa atcctgactc accataaacc ttgaccttgg tgagtatgct tatccttacc 60
ctcggaagca aaaaagaaaa gaaggaaaat ttccaatcaa agagaaagca aaaagaaaag 120
aaggaaaatt tccaatcaaa gagaaagcaa aaagaaaaga aagaaaattc ccaatcaaag 180
aatgggagaa agtaaaaaag gaagaagaag aaggaaagaa agctcctgat caaggatcga 240
aagaaatcag aagaaatgtg cagaaaagtc tttggaccag acaatatctg aacagtacaa 300
aattgtcacc aaataaacia aaaaggaaaag gaaaccacga cctgaaagtg gtcttctccc 360
tttgattacc aacaaaaatc ctgtgcgtcg gtgacttgtt cgctcgcgcg aaaacagata 420
cagataagga aaaggccaaa aacacacaaa agccgataaa cccacc 466

<210> 24999

<211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 24999

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 gtgacttgct tcaacctcta tgctgtgact gtcactgcta tagcaacaaa cctcatgcgt 120
 gttgctataa gtaccataac ctatttctcc attctcattt cttgttgaga aagcttccgt 180
 ccccgcacca cgtcaacgcc acgagtttct ctgcgaatct ttgaaccccg tggctgcttc 240
 gttcttcgtg cgcgccactt gattgactgg cttgtcgagg taaacaatgt ttgttgatgg 300
 ataacacatg ttaacttcaa aagtattaac gttattatat tgcaaattggn gacatctaag 360
 taatatttta ttgttgggaa catcatgggt ggttcgaata gttcagtatc acact 415

<210> 25000
 <211> 453
 <212> DNA
 <213> Glycine max

<400> 25000

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 taaaagtata agattctaata gtaagattta agacttaaaa caacaacagc tagcttttac 120
 tgggtgtttta tccaagatt tttatcaatc agtatccaag tccttgtcac acaccatggc 180
 attattagac ttgacacaaa taccacaaatc taaaaaatgt tattaacat aatattactt 240
 taataacttt tttccgatgt aatttttctt gatctccac tactagtcct cttgactctt 300
 gagagctttc catggaataa tgccctctatt tgttccacaa tgctgcctag gagccaatgt 360
 tatatcatct agttatgaag agcatgtgac taacaagcta tgaagcacia acatagacat 420
 cagacacgat acagacaatg atactctgac atg 453

<210> 25001
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25001

agcttgctct acttgaaaag cctcttttga atgggtgactc taatgtaagc aacaattatg 60

ttcccattaa ggctagagga aatgaaaatt taacctggta ttcaaagtgt ggattttttca 120
gcattcttac tttctcatgg atgattcctt taataactct agggaatgag aagacttttag 180
agcatgagga tctcccatat cttgctactg atgacagtgt ggatgggatt ttgccaaactt 240
ttacaaacaa acttgagtca gagtgtggta atgtgataac aaccctactc tagtttcata 300
acaaccctac gaaaatatga ggttactgca cacatgaaca acactacact agtgtgataa 360
caaccctgct tacactatgc aaacaaccct gcttccagtg tatgtttgtg at 412

<210> 25002
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25002

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accatagcaa tagcaacaag aactgcatag acaatctttg taataatttt ataaagtcac 120
attctttttc ttttttatgt aataaatatt tttgtatttt ttatgtaata atttctttct 180
tttcaaacat ttttatttta tttatgagtc ttgctaacca aagcccttag gacattgggt 240
aaggaactaa aaggggaaag tatttagtgt gtaaatacata gggaagtgt aaaaaaatca 300
tggacaatgc aattttctgt ctccaataa aaacatttct actttaagat ccttaacaaa 360
ttatacacc gttcttgga tagaaaaaga gtaattctac atccttgtag agtgtatggt 420
cactaattct cctacttagt aaataaagaa agta 454

<210> 25003
<211> 401
<212> DNA
<213> Glycine max

<400> 25003

agtctctttt gtttccttca aattttttatc ttctgcttca aagcttcttc acgacattct 60
tctctttcct ttgcaatttt tctcctgaga tctgttattt cttctacatt tgcttatggt 120
tccttaacta acgaagcaat tctcaacttt agtttttcat tctcctcaat gtaccaaacc 180
aaatcactcc cctctgtaga aaatgttggt cacatcatca gaaaatatct tctcctcaat 240

agaatttggga atccacttaa aaaatctaca atacctagta tcctacaaca caaaacaaaa 300
ataaactgag acgacatttg cttatgttcc aataggggca actacaaaaa cccttcctcg 360
agttcttggt agtgtgtgat gacgaccac acattgcact c 401

<210> 25004
<211> 456
<212> DNA
<213> Glycine max

<400> 25004

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acagatgtgg tgatacaaat caacttatag gatcgctttg aaattaagca aacgaaacaa 120
gaggaacttg actctaaccg tgatctatca gtagaaccaa agttataaaa aagtgtgacc 180
ctaactgcaa cctaccagta gaactaacac tataaagttc ataaccgaag aacaaagaag 240
agctctcaca atggagaaaa caatcaaatt ctaattaata ttcaacttat tctctttgtc 300
cattacatgg tttcctatct ataggaaaat agaaaaaaca agtaataaaa aactaaagat 360
aagataaaat cctaattgggg gaaacacatc ttagtaagat acgatcatca tcctaataaa 420
ggaaataaat tcaaagataa gataatatgc taatag 456

<210> 25005
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25005

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ccagtcggtt tctctctatc atttttctga tttttttccc agatctgaga ttagctcctc 120
ccagatctga gattcggttc tcccttggtg tctctctttt ccgctcgctc ctcgtcggtg 180
actccattca cgtcgtaact gcgagatcta gaccgctcc tcgctgccgc ctccacacga 240
ttgcttcagg aaccgctttc cctttatctg ttgtggaggt atttggcttc ctttggaatt 300
tgactagaga tgcaagttaa gttgtgggtt ntggattttg tttgtaatgt tttagttttc 360
ttctttgttg gacctgtgtt gtgcgtttta gtgtttgaag tantatcaat tgta 414

<210> 25006
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25006

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 aattgaagga agaaaaaggg agagaagttg aactttgagt tgtgtctcac aagactctca 120
 ttcatcaaag ttacaacatg tgttacacat gcttctatct atagactacg tagcttcctt 180
 gagaagcttt ctttaagaaaa cttccttgag aagcttcttt gagaaaactt ccttgagaag 240
 ctagaactta gctacacaca cccatctaaa aactaagctc acctccttga gaagcttcct 300
 tgagaagtta gagcttagct acacacaccc atctaanaac taagctcacc tccttgacna 360
 aatacatgac aataaaaaaaaa aataaaataa gtccttatta caaagacaac tcaacatgcc 420
 ctaaatacaa ggctanaacc ctatactaata 450

<210> 25007
 <211> 502
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25007

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 gtgccaacat ccttcgaccg atgattcaac acatatgcca acaatgcgtg aacggcttat 180
 gccttagaca cagctcatct tgcatgttgc tgtaagtgga actattgatg ctcaaaacaa 240
 catatgaagc gatacagctg acgacaatgc ggcaaggaac gacactataa tcgtgtatga 300
 tagaaagact caatgaacgc aaggaaatca agggagtgtc ccatgctcta acatctaata 360
 ctagttggag aagtaagcca atggatagct cgagacaaca gtcaagttct taacgatacc 420
 attatgtcaa ggagaacaca aacttattgg ggatcttgtc tgcaacatgc gggaaactat 480
 gaattaactg atgtaggctc cg 502

<210> 25008
 <211> 365

<212> DNA
<213> Glycine max

<400> 25008

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tgattgtttc cttccctgat gtatctctga tatcatcgat ggcggtgogct taaaaatgat 120
ttttgacaag agtaactttg atatttgatc aaaaggctat cacactcgct tattgttttag 180
aagctgcatc tactccaagc atgaagagta agaacttaaa actaatgata cagtctaadc 240
gattttgcca tgctaagcgt ctgattcaca ctctgataac aactatttac ttgaagctct 300
ttactctaaa atatgattct atccagatac ttgtgaaaga aaattttctca ctctgtgaag 360
tattc 365

<210> 25009
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25009

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attaaccttg ggaattaaaa aaaaaacgta atggctgagt gtaactgaaa ttgtggcaac 120
caaaagtcac cccaacagc caacaagtcg gccaccattt ggtctcccaa aaggctgatg 180
cctagggttg caattgggccc cttattacaa cttgaactaa acctactaaa gcccttttag 240
ttgattaacc caaaacatat atttgggtcag ccaactatac aaggattggg ccattaatta 300
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gccatgatat aactcacaac cttggacttt tctc 394

<210> 25010
<211> 454
<212> DNA
<213> Glycine max

<400> 25010

tctcgagaaa ttcaaagggt cataactttt cactcatatg ttgattcag gcgcataata 60
tatcgagacg ctcgaaattg agcaacgaaa gctctcgaga aattcaaag gtcataactt 120

ttcactcgga ggtccgattc acgcgcataa tatatcgaca cacccgaaat tgaacaatag 180
aagctctcga gaaattcaaa ttgtcataac gtttaacacg gaggaccaat tcacgcgcac 240
aatatatcta gacgctcaaa attgaacaac ggaagctctc gagaaattca aatggacata 300
acttttctact cggaggtccg attcaggccc ataatatatc gagacactcg aaattgaact 360
acggaagctc tcgagaaatt cacatggtca taacgtttca ttcggagatc cgattcaggc 420
gcataatata tcgagacgct cgaaattgag caac 454

<210> 25011
<211> 391
<212> DNA
<213> Glycine max

<400> 25011

agcatgcttt acttgaaaag cctcttttga atggtgactc taatgtaagc aacaattatg 60
ttcccatata ggctagagga aatgaaaata taacctggta ttcaaatggt ggatttttca 120
gcattcttac tttctcatgg atgattcctt taataactct agggaatgag aagactttag 180
agcatgagga tctcccatat cttgctactg atgacagtgt ggatgggatt ttgccaactt 240
ttacaaacaa acttgagtca gagtgtggta atgtgataac aaccctactc tagtttcata 300
acaaccctac gaaaatatga gggtactgca cacatgaaca aactacact agtgtgataa 360
caaccctgct tacactatgc aaacaaccct g 391

<210> 25012
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25012

tttcttttta tgcactattc aatggagttg acaagaacat cttcagactg atcaacactt 60
gcacagtggc caaagatgca tgggagatcc tgaaaatcac tcatgaagga acctccaaag 120
tgaagatgtc cagattgcaa ctcttggtta caaaattcga aaatctgaag atgaacgacg 180
aagagtgtat tcatgactta cacatgaaca ttcttgaaat tgccaatgct tgcactgcct 240
tgggagagag gataacagat gaacagctgg tgagaaagat cctcagatcc ttgcctaaga 300
gatgtgacat gaaagtcact gcaatagagg atgccaaga catttgcaac atgagagtag 360

atgaactcat tggttctctt caaaccttng agctatgact ctcggat

407

<210> 25013
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25013

ntccctcggtt gaacaaatac cgataagttt gatagtttcc atcttggggcc tttgtgccac 60
aactatcgtg aatgggagag aaatgttcat ctaaagcata caagccccta atattatcaa 120
atcctaaaat tcgagctcct agggagcaaa ataatgtgag tcttctagag agggcatcaa 180
ctaccacatt tgttattccc tttttgtatt cgataacata tggaaattgc tctaggtact 240
ctaccatttt tgcattgctc ttgtttaact cgctttgccc tctaattgtac ttaagtgtatt 300
gatgatcact atgaatgaca tatcccttgg aaacaaaagta atgttcccaa gcttggaagg 360
ctattattaa 370

<210> 25014
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25014

ttgtttttga ccgtttatatt aagccgttat ctgcctaaat aattgataaa atgaatttca 60
accgattatt tgtgttgtaa tatcgtttaa tcattgtcaa aataaaatcc aaccgatcat 120
tcgcgttgta accttggtta aatcaaaaaa ggcaaaaata ataataaaat tatcaaagta 180
tctttgaaaa aaatataata aaataatcaa aatatctttg aaaaaatata gtaaaataat 240
caaaatatct taaaaaaata ataataaaat aataaaaaaa tcaatcggac gtttttcttt 300
gaaagtttcc ttgaatgaat tgactaataa ccaaagtga actaaggcta aaatcaactc 360
acaaaccacg cttttttccg canaaagtca cttanaact 399

<210> 25015
<211> 451
<212> DNA
<213> Glycine max

<400> 25015

ttatgtttga gtgtccacat ggatgtgtgc tatgatttat tttgcataaa tttctaataca 60
tcattgtcat atgtgtgtca tggaaatgat ttagggcatt cccttattct tgaaccgctt 120
gctaaacaaa tatcccgaca tgcgtcatgt cccaccatcc gtaggccttt tgagccaaac 180
cttaacattt tggccataac cttgacctag gatggaaatt tccaacctta ccattggaag 240
aaagaacaaa aagatcttcc aaaaacaaaa aaagcttctt ttaacttggg ttattactgt 300
gcttcaaagg aaaagaaaat tgaaaggaag aaagtcaacc aatcaaagag aaaagtagaa 360
aaggaaaaaa atagaaaaga aaaaataaat acagagaggt tctttgaacc caggcaatgt 420
cttaacaacg tgcaacattg tcaaaagcaa a 451

<210> 25016

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25016

tcaagttata tgagatcttg atcaaacgaa acacaaaaat gcaatctagt caagccttat 60
accacaaaag gaacaatata caaaaactaa aattaaaaaa ttaaaccaag aaagacattg 120
attctattag aaacattttg ttaaatacct cataagtaag acaaatttca acaattaaaa 180
taagcaaaag caagactaat tttatgtaaa aataaatttc atgtttgaaa caaaccggtg 240
tgaagtctga aagaaactat tgtgaagaag tttttcgggt ccttcaagct taataagatc 300
ctgttcaaat gaaacacaga aatgcaacct agtcgagcct tttaccacaa aaggaacaat 360
atacaaaaac taaaactaan aaattaaacc aaagcagacc ttgattctat 410

<210> 25017

<211> 432

<212> DNA

<213> Glycine max

<400> 25017

gggaaggaac agagacgact cttaaaggct tgtttgtcaa ggagaatcat tgtgtgtaag 60
actatgtcaa acaaatgacg catccttctt ccttaggttg atgataactt gcaccattta 120

aaaattgaat atgcagcctg ttggttcctc ttatgttact ggctctcatg acttattctt 180
 tcttcagctt agtcatgagt ttgctactac aaagaagcga gtcttttgcg tattgcatat 240
 cgtatccttt cttcaaataa ctggcctttc ttaggaacac ttctcatgtc ttctaaatat 300
 cttgctttga ctaggacttg tcgatgatga caaactatat tctctaacat cattcatgtc 360
 ttgtggagag ctcgatacct tacatgtaat tactcactac actactacat ggcatagtcc 420
 tttatgatct ct 432

<210> 25018
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25018

ttgtctgtct tgcaccatta gaagagaatg agcatgtgat tggaagtatg actgaaaatg 60
 ttagtcagtt tatcagattg attgtgaagg aatgcattga ccgtatcccg gtgagagtgt 120
 gatccttaaa ttttgagaga aacgactatc atttagtact gatttttgca tgaatctcta 180
 aagtatggac taaatgcatg aaattgagat gatgaaggcc atgtttgatt gtgatagcca 240
 cttagccaaa aagttgacca cgtgcttgaa tgatttatcc cttgcacca gtttgagctg 300
 aatgaagtat taattgattg aaccctgagc ctatacaatg ttatctcctg ctaccatgtc 360
 ttaagttgta ngagagcatc atcctcaaga ag 392

<210> 25019
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25019

tccatcagtt tcttggttc actatggact ttgtcatatc agcaataagt gtgttttcag 60
 ctgtagtcaa tcgccccgca tatggatgtc caactaatga cttgaccaat tcatgattat 120
 gaactocaca aatcaacttc accatccagc cttctcctcc aaccactggc ttgcaacaaa 180
 gcttgaaggg acaccacat ttctagtc cagtgtctct tctgataaat tcttttttcc 240
 tacacctata ctggtcactc ctctcacctc ttccatggaa tattgaactc ctaaaattgt 300

ggtaaacaat actagtgagt tcaacataca taggaagggt gaaagtaagc ccaaggcaat 360
 caatatgccca tgcttganaa aaaatcgctg gtgctggcaa cttggacatg tataacttgta 420
 gaaatactga gaattggtac ttc 443

<210> 25020
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 25020

agctttcact ctgaggcccg attcaggcgc ataatatatc gagacgctcg aaattgaaca 60
 acggaagcta tcgagaaatt caaatggtca atacttcgaa ctcgagggtc ctattaaggt 120
 gcataatata tctagacgct caaaatttta caatggaagc tctttggcta taaaaatggt 180
 cataactttt cactcgaagg tccgattaag gcgcataata tatcgagacg ctcaaaattg 240
 aacaatggaa gctcttgagc aattcaaagc gtcataactt gtcactcgga ggtccgattc 300
 agctgcataa tatatcgtga cgctcgaaat tgaacaatgg aagctcttga gcaattcaaa 360
 tggtcataac ttgtcactcg aaggctcgat tcaggcgcac aatatatcga gacactt 417

<210> 25021
 <211> 452
 <212> DNA
 <213> Glycine max .

<223> unsure at all n locations
 <400> 25021

ntgatgtaac atttgagag gttaatgaaa caacgagtat gatgcgctcc atgagagggt 60
 ggatcaaatg gagaatagag accatatgaa ttgctcaaga gcttccattg ttcaatttcg 120
 agcgtctaga tatataatgc gctcaatcg gacctccgag ttaaaagtta tgaccatttg 180
 aaatgctcaa gagcttccat tgttcaattt cgagcgtcac gatatattat gcacctgaat 240
 cggacctgag agtgacaact tatgaccatt tgaattgctc aagagcttcc attgttcaat 300
 tttgagcgtc acgatatatt atgcacctga atcggacctg cgagtgacaa cttatgacca 360
 tttgaattgc tcaagagctt ccattgttca atttcgagcg tctcgatata taatgcgcct 420
 caatcngacc tccgagttaa aagttatgac ca 452

<210> 25022
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25022

agtcttggtt ctgcagcagt taagtgaaca aatgaagtgt cgacagtcac tggatgggtg 60
 cttggtagag gtacatgtaa ttaactaata agatttccta cgtgtaggt ataattatta 120
 agaagaggca ctatgtatat agacttttat atataaatct tattagagtt ttaacacaat 180
 ctccactggg ggttgaaatt tattgagaat tataaaataa gaagaatgac tcatcaaagt 240
 actagtggga cctgccaaat ttgtgatttt taagaaattt gagccaacaa taaagagtgt 300
 gttcaacaga atgcgctaga gacagtgtng ctgacatttc tctgtttang aatgggtgtt 360
 gtagttatta gtgaaaatag aaatagaaaa tattttcctt atgtccaaca cgc 413

<210> 25023
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25023

tagtggagat aatcaacctc aagtaccagg gtagtgttct aagcgtttga aactcgtggc 60
 ttagcgcacg aaatattatg cgcttatcaa gaagcaggcg cttagcgaaa agactaattt 120
 tcaaaaataa gttttaaact tagtcctttc ctaagaaatt gaaaccctta agtctaccat 180
 tcacagggag gctgataggc tccaatattc agattatata gcaagttccc aatgatcaaa 240
 tggacgaaaa accaaaaata acacaaattg aaactggggt gcctcccagg gagcgcttct 300
 ttaatgtcat tagcttgacg cttttacctt gctgggcat cttacgttnt ggctctcacc 360
 ttgagaacct cttgaccttc tctcattacc tgcaagcaca cattgtgttc tggagcatgc 420
 ttgtcttcaa caaacaagta anaaacaata ttctgatctt 460

<210> 25024
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25024

agttctcttt ttgtgttccc ctggttggcc ccatatacag gagaaatgtc caatttcaat 60
atggggaactt tagttgtgag acaagcactg taatatgggt caatgcttta tgaggaaaaa 120
gcacggtcta tttttttgga gctgtcaaaa cttttaattt aatgacagaa aagaaaaacc 180
tttaattggg attcctatat ctttgagatc ttttatcaaa gttttatctg tagttggaaa 240
aggctagttg tttgtagaag cacatagttt aggttagagt actcttccca aatttgaaca 300
ttatgactct ntagtttgta ttgcagagtg gaacttaatc ttgtagctgt tagtactgga 360
agatttagtc tcttgattct gcaattatct caacaaacat tttcggaagc t 411

<210> 25025

<211> 431

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25025

gcttgcgaaa atatgcatgc tgtaaaaatg taaagctaatt ctcttatcta tcttttcctt 60
aacgaaatgt gtattaatat gatgagattc atcatgttga actaattgcg ggataatgat 120
atataaacttg tcataccata tctggatgag aacctgacgt ccagatcccc ttatgatcta 180
caataagtcc catcaaagt aatgaagata ttcattgtgt cataactgga aatccaaggt 240
atataccnnn ccaccgatg ccattactta ctcatgcact gtaatagatt atatacttac 300
taacatgtag cttaacttta atatttaatc tttgactgag ctgcataatt agaatccgtg 360
tacactttca tggttaaggga acgacacttc gattccctat cttatacact agtcattaac 420
caagtgtaaa t 431

<210> 25026

<211> 417

<212> DNA

<213> Glycine max

<400> 25026

agtttattga atcgatctca aaaactcaat atagctatgt aaattttttt taaaaataa 60
gatcgttatc cgcaagatcc tatgacttaa ccagctaatc cacagatatg agtttgtata 120
cccactccta agtgtagcat tagtttgctt taccttcgta acaattgtgt gaatgaaggt 180

atttacatca atatctccaa aaaataatat cacattcgat gttgattgaa aataatcttg 240
cacataaata aaaaataatt atgaatgagg ttgcaaaat agccccaacc taattattga 300
ttgaaaattt ccagtttgat caattttgat ctattaatta ttgattgaaa aattcattga 360
attttataaa caatatataa atagttaacc acccatataa tagatgaatg aatcgga 417

<210> 25027
<211> 452
<212> DNA
<213> Glycine max

<400> 25027

tgctgctatg attaacattt catcgatgaa ttaaattttg actgttatgc attatctttt 60
gttgcatgca gacatcttat atctttcacg cacacaaaaa attgtaacaa atcatatttg 120
tttggcagaa gtggggccga agaaaatact agatctgatg aatgtcccat ggctgactag 180
agagaacgtt gctagccact tgcaggtgat gctataattt cacacctgaa tgttatcttt 240
cattcaaagt agcatctagt ttttaatat ttttactgta tgcattgatta catctcattt 300
atatccccgt ttggtagact tagaatcaca acaaagcttc actttaatac aatatgggtg 360
aagtggtaac ctccaaacca ttggtcctgt acaaagtgtt ctcaaaaaca ttacaactta 420
cacgttactc agcatgtcca tctctatcta at 452

<210> 25028
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25028

agttaattcg tacaatcaat gtagaaaaac atgaccgcgt tgcgatgtaa aggggaaaag 60
acggaaactt aaaagaaaaa gcacttggga ccaaatatga gagctaacgc acaagagaag 120
agagaaaacc cgtcacttgg ggaccttgct cttcattatc tttcatgctc tgtcatgact 180
gtcggttcct tcttgatatt gtaagcctct tgtgacaata agagactaaa ccatcaattg 240
ttgggagctc agtaacaaaa cactcttgat gtaatgattt taactatcta tttaatgcta 300
tttcgagatt attgtttctt ttctgtactt attatcatgt ttatggttgg atgacccatg 360

ctcatgtagt gttatagggt ctatgcattg gaanatgttt ata

403

<210> 25029
<211> 370
<212> DNA
<213> Glycine max

<400> 25029

aagcccagtg attttttacat tttacgtgga tacattttaga tgaatagcctt gaatcaaaaag 60
agcctcagaa acctctcttg cattattaag ttttctacct tgtcacaatc catgaataac 120
cgtagtgcca aatgtaaccg ccattcgaat ggctaataaa gaaatgaaga gaaaaaaggc 180
tgcaggcttg atccctgtat taacgaaact aacattcgca gataaaaaag tatatcgtgt 240
atgtgtacgc atcaagctga attccttggc ctacccaaat gactgtgaga aaccggaagc 300
tagttaacta catgatcaaa gccacactgt cacgcagaat atggcttagg tgaacaatag 360
tcttgatcaa 370

<210> 25030
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25030

atcaatatta ggattagaac gatacagagt aaagcatcaa gattaattat aaaaacatag 60
tcatatgtac actaaattga aagtaaccgg gttcctatct catgaagaaa cagaggagtt 120
actactttat aaggagtaac atagtcaatg agatgtacat gaaacataat aggaaataag 180
aaagtgaagc acaaatgtgt gtttgtatct catatcagaa gccgtcgagg atattcaacc 240
atgcgcattc attgtgaact ttacattaca ttacattat tactcaatga tgctatatct 300
agcatacacc tatgtaagct ntctagcctc ttacattaca tatgttggct gtccagaata 360
caagccacac tctattcgta agtcactttg cacaattgca caaattatgc tcgg 414

<210> 25031
<211> 378
<212> DNA
<213> Glycine max

<400> 25031

acaggaggtg gagatgatgg atcttctactg tcatttttggg ctgaggtacc tacatgacaa 60
 caagatggaa ttgacagaac attctggatg gaagaagacc ggtgtgtctt caaagaatgt 120
 ttctttgaga cacatttgat ctgcacacat atattatcgc ctagtacatg gagaatagca 180
 ttcttaacct gtttgaagac gagaatatcc tcaaactaca catttgattg ctggtggcaaa 240
 gagtctgtct aaaccgggag agagatcttg aacacaatag atacatccag acactttacg 300
 tggaacatgg aataaatgat catgacggac attgactgat tgagggattt gatttttcattg 360
 agaacatggt ggcattct 378

<210> 25032
 <211> 411
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25032

cttgtttgaa gtaccaaaca tttgcactaa gcagctgtcg tccatcaaag atgtactagt 60
 atgggtgggtg actatgactt ccctttcaaa tagattgctg tgctgctttc ctgaatctga 120
 atccacttgc agatccttct caatttttcc accatcaaag gtacaataat tgccaacacc 180
 ccttgaacaa gatgaataat ctgtcttttag aacagaagac aagtttgata agtgaccctc 240
 accacaaagt tccatgatga cttcttctct tntggcttct gaacagcata ctgtttcctc 300
 tactgaaaca cctttattat gatgggtatc agcaatatgc agcagatgaa tgtcattntc 360
 accagagata acatctagat tcagatccag agaaccagcc tgatccactt t 411

<210> 25033
 <211> 453
 <212> DNA
 <213> Glycine max
 <400> 25033

tgacaaagtt agtactcagc agaaccattt aatcttttca atgggtatct tagtgataa 60
 cagatgggag tggaagcttc aatggaggag aaacctattt gaccacgaag ttgatacggc 120
 agcagccttt atggcagata ttgctgagtt tcaaattcaa cctgcaagca gggacgttct 180
 gctatggggg cttgattctg gtggacccta ttccacaaag gcagcttata gcttcttgaa 240

ggatggtgac agccagggtta ctgaagatag tgacttcaag gcaatctgga atctcaaaat 300
 tccacctaga gcaagtgcct tttcttggag aatattcaag aaccgaatcc ctaccaaggt 360
 taacttaagg cggagacatg tggagctgcc ttcctataac tgcccgtgt gcgatgagga 420
 ggaggaaaca gttggtcata tcatgtactc atg 453

<210> 25034
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25034

ttgtttatcc cccaattttc tataaatagg gggagaagtg aagtagaaaa gggttcagcc 60
 ccttaggcac ttctatctct ttcgaatttg cttaggaaaa ttgtttctgt gaagaaaatc 120
 caagccgagg cgcttccgta acgtttccgt gagtgatttc gcgaagggtt tcgaccgttc 180
 ttcgacgttc ttcattcggt cttcatcggt cttcagtctt caacgggtaa gtacctcaaa 240
 ccaagccttt caattcattc tatgtaccgg tgggtggtcca catttggttt catgtatttt 300
 tattctcggt ttcatttact ttntctacce ccttttgacg tgcttaagcc atttatttaa 360
 gtcattcctc gcttaacctc naaataaaat aaatttccac cgatc 405

<210> 25035
 <211> 458
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25035

ccattcctag actngatgat tngcttgatg agtttcatgg tgcenatata ttttcaaaaa 60
 ttgatcttac aagtaggtat caccaaataca ggatgaaaaa ggtgatgag tggaaaaccg 120
 ctttcaatac caagtttggg ttgtatgaat ggctagtgat gccttttggg ctactaatg 180
 caccaagcac ctttatgagg cttatgcata atgtcttaag ggatttcata ggtagatttg 240
 tagttgttta ttttgatgat attttagtgt acagtagaag cctagatgat cacttatgaa 300
 atctcagaca agttctttca gtccttagga aaaacaccct ctatgcaaat atagagaagt 360
 gtactttctg tgtagaatat atagttttct tatggtttgt agttggtaga aatggagtcc 420

aagtggaccc tgagaaaatc aaggccatcc aagaatgg

458

<210> 25036
<211> 330
<212> DNA
<213> Glycine max

<400> 25036

ttgctacata gccctcatct taaactaatt ataacaaaac ataaaaaccc taaaaatcta 60
aagctacagt tatagtcttc taccctaaag ttaagacaag aaaaagagaa aaaggaccaa 120
ggaacttact tggacagtgt atgattgatg cttcaaagtc gaaaatgcac aaagagagta 180
caaatgaaaa atgtgcaaat ttttgagag agagaatgca gaggcgaggt ttctgtaatc 240
tggcaaatgt gagtgttaact gctgttacac tcaactaagc agttttcata ctttcgctta 300
gcggaaccgtt gcgctaagcg agcaagagag 330

<210> 25037
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25037

ntcagaagat gtaagttcaa catgcttttc ttccatttct gttggaggat ttgtgggatg 60
ctgtcttctc attttttggt atgtctaact tactggactg gttctcctac tgtaggtcga 120
tctagagaga attgcaaaag atactcatgg atatgttggg gctgaccttg ctgccctttg 180
cactgaagtt gctcttcaat gcatcatgga gaaaatggat gtcacgatt tggaagatga 240
gagcattgat gctgaagtac taaattctat ggcaatgaca aatgagcatt tacatactgc 300
tctgggaaca agcaatccat ctgctttacg agatactggt agtagtgttt ttaattcttt 360
taaatttaaa ttattatcta gctggtgagg ctttct 396

<210> 25038
<211> 412
<212> DNA
<213> Glycine max

<400> 25038

agcttataat tctaagaaaa gcgatgaaaa atgttttgaa ctcaatcaag aaaaacatag 60

gattgaattt catcattcga ctcttttagtc ctagtgaaat ttacgcatat gaatcattct 120
 ttactgttgt tgatgcactc gctaaatcac aatgtattga ttcctcacat atgaaatttc 180
 taagaataat tatcaaatac tgattccttg catattcaaa aatcatttct gcattaaaca 240
 agtataagat tgcaatcaat atgttatgat ctattcctag aaacataaca tggagagtaa 300
 cttcatttag tttagactct caagattgct ttccaatcaa actcaagaac tagattcatg 360
 agactattaa tgagatagaa tcaagcataa agagcagaat gatgttacca ac 412

<210> 25039
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25039

ctcagcttag gaacacttgg acaatttggt gcgcacgggt agtgtatgtc ttgaaccaac 60
 tatectaaat aaaagcttta gttattggat gaaagcagat gaatgatttt acaagtttag 120
 catgccctct tcacatacga gccgtttgtg cttgaagctt aaacaagaca aacttacttt 180
 atgatgaatt tcaacatatt agaagaacag ggttgataag attcaaaatc taaaccacag 240
 ttataattgt gacaaggata ctactttgag agaaaagaaa agcatgtgct gaaaattgtg 300
 tttcaattgc agcacagact gtatatTTTT ataaagagtg taaaatcaaa tacaagata 360
 cattttccta ttactatgnt tacatgggtc aataaatcta gacttttcct tactgatata 420
 catntgacat t 431

<210> 25040
 <211> 409
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25040

gttttttcca tgtttagaaa ttttaaagct catgttgaaa aggagattgg tgcatatatt 60
 gcttctttga ggacagatag aggtggtgga ttacctcac atgagtttgt agaattttgc 120
 aaaaatcaag gcattagtag acaattgact acagcctata ctctcaaca aaacggagtt 180
 gtagagagga aaaatagaac gataatgaac atggtgcatt ctatgttagc tgagaagcag 240

gttcctaaaa tgttgtggcc cgaagctgta aaatggagtg tgcataact caatagatgt 300
 cctactatgg ctgtgtagaa canaactcaa gaagaggcat ggagcaatgt gaagccaatt 360
 gttgattatt ttttagtttt tgagtgtgta gctcatgcac atgtcccat 409

<210> 25041
 <211> 281
 <212> DNA
 <213> Glycine max

<400> 25041

tggagtagag ctcgagttat acatccaaaa gtctaataaa caatacttgt aactcgcgag 60
 aaggtaactt ggtgttttatt ccaataactg gatgtcatct cagtggctaa gatcaaaaag 120
 cataaattat tgtgtctgat ctttatattg ctttttgccc tctttaattg atcaagggat 180
 cgaattgggtt ttaaatagatt gatataactc ttactatgct aaaacatatt tcattgtgcg 240
 actgtacttt cggatatcatt tatatctatc taaacaaaga c 281

<210> 25042
 <211> 190
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25042

aacagaaaaa ccccaaaaan caaaagccac agagagaggc gactaccna caggcaagac 60
 aagaaaaaga gaaaaaggac caacgaactc acttgacag ggcaagaacg aagccacaaa 120
 gacgaaaacg cacaaagaga ggacaaagga aaaacgcgca aacgttagga gagagagaac 180
 gcaaaggcga 190

<210> 25043
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25043

agcttgacta tttgtgatgg tttcgttacc atagactgca ggttttgcca agaaactaca 60
 gcaatggctc atattagctn tgctgcgaaa aattccttag gagaaacttc aatgttgaag 120

tccatggaaa tatecttgta tatataatcg tgattctcag atgatttgat gccttaaaat 180
 tgtgccaaatt gaagttaaac ttgttcaaat ttatataaaa aaaattccat aatctaagtt 240
 tgatattttg ggattaatat tgcagtgcct taactttggt tcgtgtttcc aaagattntg 300
 caagagatgg tgaagtgaat ataataaaat atattattat gtatcatcct anaatttata 360
 ataataattg ttgttagttt tagtttaaaa attattagta taaaaattta t 411

<210> 25044
 <211> 455
 <212> DNA
 <213> Glycine max

<400> 25044

ggcataatga attaatgtac ataccgcata aagggttag gaaagtctca tagcattgtg 60
 gaggtagcaa gctgaggccc tgtggctgac acacacggca atgatcacgc attgaaagct 120
 tgccatgaaa cacattaagc cagtgcctgt gtaaggagct ggaaatgtct tgcttatgtc 180
 tttctgaaaa acgtaatgat ataataattc tcttaaagag gaaaattaaa ctagttaaga 240
 tagattgatg cttaattact tgaattatga accatgctgc ccaaacaagg gtgctaagaa 300
 ttacgaccaa agggcctagg aacatgtttc ctttgccaga agagctagtt ccttccattt 360
 tctcagcata tctccagtga atacttgatt ggccataacc aatgggtttt ccatggtaaa 420
 atgacaaaag caaggctcca ctacacaca atatt 455

<210> 25045
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 25045

agctttgtag ccaattcaaa cgacaataac tttttactcg aatgtctgat tgagccccgt 60
 aatatatcga gacgctagaa atggaatgtt gaacctatga gcctattcaa acgacaataa 120
 ctttttactc ggatgtctga ttgagtccca taatatatcg agacgctcga aattgaatgt 180
 tgaacctctg agccaattca aacgacaata actttttact cggatgtccg attgagtgc 240
 ttaatatgtc gggacgctcg aaattgaatg ttgaacctct gagcaaattc acacgacaat 300
 aactttttac tcggatgtct gattgagttc cgacatatat cgagacgctc gaaattgaat 360

gttg

364

<210> 25046
<211> 411
<212> DNA
<213> Glycine max

<400> 25046

cattcaattt cgagcgtttc gttatattac ggggtctcaat gttatcatcc gagtaaaaag 60
ttatagtcgt atgaattggc tgaaagctta aacattcaac tttgagcgtc tcgatatatt 120
acgggactca atcagacatc cgagtaaaaa gttattggcg tgtgaagcgg cttagagcct 180
tagcatacaa ttatgagcgt ctcgatctag tacgggactg aatcagacat ccgagtaaaa 240
agttattgcc gtttgaatta gctcacaggt gcaacattca atttcgagcg tctcgatata 300
ttacgggact caatcagaca tccgagtaaa aagttattga ctgttgaatt ggctcagagg 360
tgcaacattc aatttggagc gtctcaatgt attacgggac tcaatcagac a 411

<210> 25047
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25047

agcttgtcta ataatatata gtttgaagtc gagtacttct tataaaaaaa attagttttg 60
atcctttgat caaatatatt atatatttaa caaatattt tatcatatgt ataattgtatg 120
tacttatacc ttatcaaaat caaaataaac cattaactca cattagtaat tttcaaccct 180
gtacatgttt agttcaattt aacttattgt ctttaaataa taattcattt tttagtttaa 240
cttttatata tttttaagga tctcactgat atatgttatt tttaaaataa tcattaataa 300
atcaatcatt gtcaattata tgattattca taattaatat aataacgta taccttaatt 360
aaattgtnta attttattaa tcagtctgaa tatctttttt ataataatta a 411

<210> 25048
<211> 385
<212> DNA
<213> Glycine max

<400> 25048

gcttattcag gcctcagcac caaagccggc ttgacattat ttgactatcc tctcagcaaa 60
taatgagaga caggggaagac ctgaaatata tacgacacta cttccatggt ccaacttgct 120
tcttacttta tctatttccc cttatagagc ttgatgctgc tctcaogtat ttgtccacat 180
gtgctgctgg cttcattcat ccacatgcta tacatgcacg tatgactact catattcaac 240
agcatctgcc ttacttccac acattcatca tggaagacat caagtaggct tgtgtaagct 300
caacccgaca tctaacaagc caccgcatgg ctaggtcgca acttttgctg gatgcatatg 360
tgctcatacc cgccgtctct ctact 385

<210> 25049

<211> 420

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25049

agcttataat aagacatacc agcattttat tgaaccagtc caaggaccac aatattgggc 60
ccagacacaa tatacacacc ctgttccacc acataaaagg gtccaaagag gaaggccaaa 120
gaaaaataga aggagatccg tagatgagga caatgtcaca ggacataagc taaagaggaa 180
attggctgag ttacatgtg gaaggtgtgg ccaaaccaat cataacatta gaagctgtaa 240
aaatattgga gttcctgtta ggccaaagaa atatgttgca ccatcaactt caaatgagga 300
tgaccaccta ttatctcaag atgaacaagc tntgaatgag gctgaagaag ctgctgtcga 360
tgttcaacaa gatccggtgg acattaattt atctcagcct catttgtcac aagatagtga 420

<210> 25050

<211> 459

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25050

tccttgaaaa gattcctaga gaagctagag cttagctaca catacttctc taatagctaa 60
gctcacctcc ttgagatgag aagctagagc ttagctacac accccttata atagctaagc 120
tcacccccat gccaaaatac atgaaaatat aaaaaagccc ctacaacaaa gactactcaa 180

aatgccttga aatacaaggt taaaacccta tactactaga atgacccaaa tacaaggccc 240
 aaaagaagga aaacacattt ctaatatatta caaagaagag tggacccaac cttagcccat 300
 gggctcagaa atctaccctg aggttcatga gaacccagg gctttcttta gcagctctag 360
 cccaatcctc ttggagtcct ctatccaata ctcttgnngg gtaggattgc atcatgatcc 420
 ctattttttc cgtgagtttt aatgtgaaaa gtatcatta 459

<210> 25051
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 25051
 tatcttattc cttcatagct aagcattagc tcgcttgggc gagcttcaac agccccaaaa 60
 tggctttttc cctataaata gccatgttgg gggggggggg taagtgggtc caagggtcag 120
 gaggtagag aatcgagaga aaagaaggag aaagaagaag aagaaagaag aagaaatgga 180
 agccaaggcg ttaccgaatc gtgactgtga tcattcccta cattgtcttt ttgttctgtg 240
 ttcttcatgc aacagtcaat tagttatgct attaagagtt gaatgtagac tatgtaccct 300
 taaggggtccc ctctgatatt atgtgcatat tcattctctc tatcaatcat cggtaattca 360
 tgagtcatca tattagctat ttgattaaca c 391

<210> 25052
 <211> 450
 <212> DNA
 <213> Glycine max

<400> 25052
 tgtctcagcg tctatgcgag acagatacca ttatgttagc tatcatcgcc aagtaccaag 60
 aagagttggg tctagccacg gccacagagc atagaatcgc ggatgagtat gcccaagtat 120
 atgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180
 ggatggatcg gtttgctctt accttgaacg ggagtcaaga acttccccga ttgttagcca 240
 aggccaaggc gatggcagac acctactccg cccccgaaga gattcatggg cttctcggct 300
 attgtcagca tatgatagac ttaatggccc gcataattag aaatcgttag gaaacttgta 360
 tgggtctctca gaccttgact agatatgatt tctttctttt gttttgaaat aaaatgagtt 420

ggccccatgt ttctactcca aaaagcttgg

450

<210> 25053
<211> 411
<212> DNA
<213> Glycine max

<400> 25053

ttcttatgct gcaaataattt acaatagacc tactcaacct cagcagcaaa atcaaccaca 60
gcagagcaat tatgaccttt ccagcaacag atacaacctt ggatggagga atcacccctaa 120
cctcagatgg tccagccctc agcaacaaca acagcagcct gctccttctt tccaaaatgc 180
tgctggccca agcagaccat acattcctcc accaatccaa caacagcaac aaccccagaa 240
acagccaaca gttgaggccc ctccacaacc ttccctcgaa gaacttgtga ggcaaatgac 300
tatgcagaac atgcagtttc agtaagagac cagagcctct attcagagct taaccaatca 360
gatgggacaa ttagctactc aattgaatca acaacagtcc cagaattctg a 411

<210> 25054
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25054

tgttacagaa cttagganat atcaagaaca agcttgttct cacatcgttc gcgtgtacga 60
tatccactcg acaaggtttg aagtagagga gaccttcaat cctataacgc aacgtggcgg 120
acaaaaatgg gcagttaact tgaatggcca ttattgtcaa tgcggaaggt attctgcgct 180
tcactatcca tgttcacaca ttattgcaac ttgtggttac gtgagcatga actactacca 240
atatatagat gttgtttaca ccaatgaaca catcttaaaa gcataactccg cacaatggtg 300
gcctcttggg aatgaagcgg caattcctcc ttctgatgag gcatggacac taatccctga 360
cccaactaca attcgtgcga taggtcggcc aaaatcaaca aggataagga atgagatgga 420
ttgtgtcgaa ccatctgacc accgacaaaa atg 453

<210> 25055
<211> 393
<212> DNA
<213> Glycine max

ctccaaaatg gtcaagtgc taaatcaaac agaacataca ctctgaggga gttccacgag 180
 agatttgcaa aagataggat aaggttgcac gaactatcac ctctttcaaa aggacagtca 240
 atctgtgttt tccgaaacaa tcaaataaaa atcaaaatca caaaatatgg aaagaatgcc 300
 atgaacattg tacaactntt cattacattg cattgttgca tacgaagtct gcatttaccg 360
 catttcaaga caaaggttgc atgcattctgc a 391

<210> 25058
 <211> 451
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25058

tgaggcgaga gttaatgaaa tctctnctta tggaactcct tcctaagaat cctagagtca 60
 tgagatctct tcactttctc attgtaaatc ttggagttct cataggcttc taagcagatc 120
 ttctcaagtt atagcaattg aagcttcttt tccataacctg cttcatcaaa tgccatgtta 180
 caacccttca ctgcccaata agcaaggtgt gcagtctcta ccagaaggtg gcatgcctta 240
 ccaaaaaacca ctctattggg agacatccac aaaagtgttt ggtaagcagt cttgtgggcc 300
 cgtagagcct actcaagtaa cttgctccaa ttctttctat tgagttgcac taccttcaac 360
 aacacttgct tgatctctct attaaaaacc tccgcttgcc cattagtttg gggatgataa 420
 gctataacaa ctctattcac aaccccatat t 451

<210> 25059
 <211> 404
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25059

tgtttggtat caattacaca catattgtaa tcgattacca gaggagtttt tcagaaaaca 60
 ttctcaatag tcacatcttt ttatctgatt tttaagtggc catcaaaggc ttatatatat 120
 gtgactagag acacgaattt gataagagtt ttgaagaaca aaaaggtctt atcctcttaa 180
 caagcaaaat tgttttatcc tcttacaaat tccttgGCCa aaacacttgt gattcaataa 240
 ggaattatatt aagtgtcaa attgttcaat ctatctcttt caagagagat ttcttcttct 300

cttcttctttt attctgaana gggattaaga gactgaggggt ctcttggtgt gaaaggattc 360
 taaacacaaa gganagaatg tccttggtgtg tttagaactt gtaa 404

<210> 25060
 <211> 441
 <212> DNA
 <213> Glycine max
 <400> 25060

ttgggacttg agaagcgtga agagaatgtg cacttggttct ttgttgctct tatggcaaag 60
 gatttggtttc ttggattttt tggcattgtg gggttcaaga tagtcatatt ccgaagcaat 120
 ctccaccta acaccaaact tttcatgaat attcatatga aacacaagtt atattgactc 180
 attatgcgac gaactacttg tatccacata agatgagcca ttaacatcgt cagagatagg 240
 gtcaattcac catgacatat aactaagaga cagctctacc tcacaaacta acttctagaa 300
 ttgagacacg tgagaaattg aaagcctcaa aggatatctt atcttattct accagttgca 360
 ataggagtgt cagattatcc attcttggga cgcactcaca tgtgcaaact cgtaaatttc 420
 acgtgagaga tatctgatca t 441

<210> 25061
 <211> 396
 <212> DNA
 <213> Glycine max
 <400> 25061

agctttctcaa ggaggtgagc ttagttatga gaggggtgtg tgtagctaag ctctagcttc 60
 tcaaggaagt tttctcaaag aagctttctca aggaagtttt ctcaagaaag cttctcaagg 120
 aagcaacgta gtctataaat agaagcatgt gtaacacttg ttgtaacttt gatgaatgaa 180
 agtcttatga gatacacttc aaagttccac ttctttcctt cttttattcc ttcaatttcg 240
 tgctcccccc ttctctcttt cttttcctcc attaaagcat cctcttcaag cttcttatcc 300
 aaggcaattc ttggtggtga agctccttct tccatggctt attccctagt ggatggcacg 360
 tcctetcaact tcttctcctt tgtattccgc tgcac 396

<210> 25062
 <211> 436

<212> DNA
<213> Glycine max

<400> 25062

tgatttagta taataagaag cacggatata aatatcttga tgcctactat tgatatatag 60
cattgaccat acatgaaact agctaaagag aatggaaact attgataata gtacactcca 120
tagatagtca tgctgtgtaa accactacta caagaaagca ctttaaatta tagtattagc 180
tagtaatttc tatgattgtg ttgatcatgg tcgccctcac ataactgtca ggtgccctca 240
cttttaattg tgaatttcct gctgccacat taaaggttgc caatgttctg ccatcacatg 300
tatgattttc tcagccaatt ttgccaccaa ttccttgaca tgggttggca gccagtttcg 360
gaccctttga tggacactga attgacaaca gcagctccac ccacattggt gatcaaaact 420
aggttgaatt atcagt 436

<210> 25063
<211> 407
<212> DNA
<213> Glycine max

<400> 25063

tcttcttttg tgtgggatac ccaatgtgag catagtttcc agacccttaa ggaaagattg 60
acgaccgctc cagtgtagtg tttgcctaac ccgagagaac cttttgaggt gtattgtgat 120
gcatcaaaga tgggttttagg tggagtgttg atgcaaaatg gccaaagtgtt ggcctatgct 180
tctagacaac ttatgactca tgagaggaat tatcccaccc atgatctata gttggctgtt 240
gtagtttttg cccttaagat ttggagacat tatctgtttg gctctaagtt cgacgtgtct 300
agtgatcata agagccttaa atacttgttt agtcagaaag agctaaacat gagacaaatg 360
agatggtttag agtatcttaa ggattatgat tctgagctta gctacca 407

<210> 25064
<211> 438
<212> DNA
<213> Glycine max

<400> 25064

gtacccttat ggcttgccctc cggacttcgc tcttctgccc tcccgggaaga ttttaagccaa 60
gcccctacct tggaggggca actcccacct tatgatgact atcccatgca agacaatgag 120

<210> 25067
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25067

agcttcatgt ataaagcaac tcaaaatcta ggtatccaaa acccctcaat ttaatggatt 60
 ttcaagggttt gagaagtga attgagaatg gggtaaattt gaagcaaact ctcacctcac 120
 acaagtctat aacatcaatt taaacttggt caaactgaac ttacacctaa aatttcaccg 180
 aatcaaaatt tgactcctca acacccaaat ttaccctaga aatggctctt tgttcacttt 240
 ggtcatttgt ttttctctct tgcacagccc aaactttctc ataagtccta aatgacattt 300
 caatctanga ttaactccct ttaacctcca aataccacta aatccagatt tggccttcca 360
 actctcaaag tctcactctt t 381

<210> 25068
 <211> 85
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25068

ntagctcgcc tgtgcgagct tcaaccgccc caaaattgct ttttctctat aaatagccat 60
 tatggggggg ggggggtaag ggggtg 85

<210> 25069
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25069

agtttctata ctttatacaa gcatgaagct ttcataccac ttgtagacaa gtggcctcac 60
 atatcttaag aaggggggtt gaattaagat attgcaaact atttcccaa ttaaaattct 120
 atttcacttt ctatgcaaga tacaaattcc cttataaatg aactcttaaa taatgattca 180
 aatagaacaa tctaactata aatataaaac aataatatat aaaagagttt aacggaagag 240
 aaaatgcaaa ctcggtttta tactgggttcg gccacaccct tgtgcctacg ttcagtcccc 300

aagcaacttg cttgagagtt ccactatctt gtaaaatcct tttacaagtt ctgaacacac 360
aaggacaatc cttccttt 378

<210> 25070
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25070

tagtaaanaa tcaaatttca ttagaacata attttatctt atgcagatta gaccatgtaa 60
attcacgcgg cttaaattta ctctcagcac gattaatttg aattatacaa tgatctatct 120
aggtaattca caccattacc tatgttaata attagctaaa aatttacttc atttgggtata 180
cataaaaatat ctatttatgc ttataagatt acttttagaca attactagtc ttttaccogt 240
gcgacgcccg gcttcatact cctatttgaa tattactaac acatgtgcaa agttcaataa 300
cgatgtttat ttgtatgata ataatgttga gttatgttta gaaaaaagca atattaagta 360
agaatacaaa caaaccta at gctattgtag attgtgtata tgggtgtagat gtaacaatga 420

<210> 25071
<211> 363
<212> DNA
<213> Glycine max

<400> 25071

agttttgttt acattatgat agactttact tgaatcttga aaatgcaa at caaaaccatt 60
ttctttcagg ccctgatcaa ttcttgcaaa tgcaccattt gtaagctttg cttcttttga 120
tgcttgaact tcattccatt tttccttgca gcattcttga acggcatgca caatctcgtg 180
acgagaagta tatgctacgc aaatcaa atg aactctctgg ttgttgagag cagtaactct 240
cattgctttt tccacagaag ccctgacagg ctgagtcaat agttgcaagt ctccaatgaa 300
atgtaatoga acaccgtatt cattgataag acttacttgt tgaagatact ctacaatctt 360
ttc 363

<210> 25072
<211> 411
<212> DNA

<213> Glycine max

<400> 25072

tataggcggtt gttttgcaat gattcgggtga tgtgggtttgt ttcttcccaa tttggcgtga 60
gcttttcttt tgagttatct ttcttggcat ttcttcggag cctccaaacc aagttgttgg 120
gcttgaagct acgtttcttg agcttcaagt tgtatttttg agttattctt tatttgcattg 180
cttcttcttg aactcatgct ttgcttttga gttcctcgac caaatccaac tctactgcca 240
aggattctga gttgttggcc gcattgaaca tgcttatgca gagggaaggt tcgccgatct 300
ccacaggtat catagtgtcg atgtcgtacg ttaacttgaa taaagtgtct tgcattgtag 360
attgggagta cagtgggtacc ccatagcacg cttgggagct cgttcaccca t 411

<210> 25073

<211> 562

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25073

caccacgcat acntcancan acacganagt anagatagtg cacacatcga acaccgccgc 60
atngaaaaca tacancnca naanaaagaa agcngagaat nnaattgaag tcctcgacat 120
agcaanggcc naanncgagc acggaacccg gagaagcnca aaagncgacc agcaggcatg 180
cacgctcggt taggatgcat gcacggagga aaagaaagag ggacagaaaag agagaggacg 240
caccaccaa cgaaggaag aaaaaggag agaatataa ctctgagtcg agcctcataa 300
gaccctcact caacaagac acaacaagt caacacatga cactataaaa agactacgta 360
accaccctga gacgccatcc cgagaaaaca accgcgagaa gctacgagga gaagacaccc 420
gtgagaagct agatctaagc tacacacacc cctctaagaa caaagcacac cttcttgaga 480
agcgaccgtg aaaagagtcc taaagaagct agagcatagc gacacacacc tccctaacag 540
caaacacacc tccacggaag ac 562

<210> 25074

<211> 383

<212> DNA

<213> Glycine max

<400> 25074

ttaagaagat tcctaaagaa gctagagctt agtctactcg cacatctcta atagctaagc 60
 tcacctcctt gagatgagaa gctagagctt acctacaaac cccctattat agctaagctc 120
 agccccataa caaaatacaa aaaattccct actacaaaga ctacttaaaa tacctcgaaa 180
 tacaaggcac aaaccctata atactagaat ggccaaaata caaggcccaa acgaaggaaa 240
 aacctattct aatatttaca aagataagcg ggctcatact ttgtccatgg gctcgaaatc 300
 taccctatgg atcatgagaa ccctagggcc ttcccttgga tctctggccc aatctgcttg 360
 gagtcttcta tccaatgccc ttg 383

<210> 25075
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 25075
 agctttgcat tgtttttctc atccagcaag atgttggatg tcttaaaatc ccgaaatatt 60
 agctgcacca gtaagaatgg caatcattaa taatgtgttt ccccaaaagt tctcagtgga 120
 ttttagcata tgtgaaatgc tgtaaaagat atccatagta caaaccatcc acatccttct 180
 atttatgaca aaaactctct tccataaaga tatccatcca cccaattcac atttaaccaa 240
 aatcaattct gtaaaaccaa tccaaaatca agcatgcaaa tgttttaacc acaactaaag 300
 acccacatgc tttcttttca aaatcacata aatgatcaca gagacaaaac ctagataacc 360
 taattaatac gacaaggtaa ag 382

<210> 25076
 <211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25076

cgaccttaaa actcagctta nactagggtc ttctcttaaa actcttggtt tgtgccttta 60
 gggaacccta gaaaatttgg taaattatgt caacgaacca tgggatgaag gaaattgtct 120
 gttgctccac aaagattact acaaataaga ctcacctttg gggatgtttg actcctggat 180
 gcatcttcat ttgcattcga ccgaaacaca atctttccag aaactctacg agaagcagta 240

cttgatattt tagaattgca attcttgggt tcattttcaa tctctagctg ctttatcatt 300
gaagaagttt cttcaactga tgggtgtacaa ggttcgccat ccaaactctt tccataacca 360
gtgaatggaa tgatccgggc agtcttagtt gctgaatcat catgaactga aacactatag 420
tcagaat 427

<210> 25077
<211> 379
<212> DNA
<213> Glycine max

<400> 25077
tctagcttgt tagaagctgt acaagtcaga gtctctttca gagaacagaa ttatataaat 60
ttaatgatat catagataat gaaatatctg tggtccttag ttttcatttt cttgaggcat 120
acattaatta ctgatcaatc agtgaatcgg ttcaactggg attaatatat attggcaaac 180
cggatatttg ctaagtaatt ggtctgaata aattacgtga ttattcatac atcgtgattt 240
cttcatcacc acataaaaaca tcgtttttta catataataa ttcataatga ttatatgaaa 300
catctctttt ataacaattt gagtatctga agaggacata tactttaatg gagaaataaa 360
tttgtggatc acatctgat 379

<210> 25078
<211> 388
<212> DNA
<213> Glycine max

<400> 25078
tatccaaagc ataatgcta cataacatct tgaggctagc ataagctacg ctggagtacg 60
acatgagagc ctgtactatc aacaaaagtc gctcttctaa taccattctc agttatatgc 120
tacttttcat cgtctcttat tggaggtata aatctttaat atccccttga ttttgtgtat 180
tacattaacc atatcttgat gctagtatat acgatacaaa aactttaatt tgattacttt 240
ccttatgctc taatagacag cggatcaagg cttctctcac ctagtcttgc ttattgtctt 300
ctagcatatg caagaggtgt aaggacagac actttcggaa tccatgctac tcatcttgggt 360
caacaaaatc cttgtaatgc atagaaaa 388

<210> 25079

<211> 356
<212> DNA
<213> Glycine max

<400> 25079

ttgtttcttt tttaacttgg gaagtatgaa agcttattta caacggctct gtgaatgcct 60
gccagtacta attagtttgc attactacct ctaaactcat atataagtac aaataactaa 120
ttacgctaata tatgtccaaa tattgaacta cacgtgcac caatcataaa tatccttgct 180
ctagtgtaac ctgtcttggt aatcagcttc tagtttgagt atatgtttct gaaaccatgg 240
gtatcggggt tgtctgagtg gatctactct taatttcttg aatacttatt tagttttgga 300
tccaattcta agatactccc ccccgacccc ctaatttaca ttatagacaa gagagc 356

<210> 25080
<211> 416
<212> DNA
<213> Glycine max

<400> 25080

tgaacaacct aatattattt gtcctatcaa gctattgttt gctctaaaac aaataagaag 60
attagttggt tggtcggctc actgactgat tcttaattgt cttagagacg gatatacaat 120
ctacgcactt agtcttttct ttcaagatgt aaaaggtatt atgagagctt ttgaacttta 180
caaagaattt atagaaaagc ttacaataa gaattcaaag atagtagcac gtacgttcgt 240
gccttcatct cttctagact tttggtatat ataggccttc ttcttcaagg gttagttgtc 300
ttgaaatgga tagatttatt cacttaagct tgcatatgaa gatgcaacta ttggggcatt 360
taatgcttac aataaatgca cgccccctac atgttggaag gtcactctct ttagct 416

<210> 25081
<211> 358
<212> DNA
<213> Glycine max

<400> 25081

tctattttgc tgagtgtga gcataaattt atagccttta ttttgatttc ttttttacct 60
cttgactca actgttgaca gatcaaagag gacaagtatt ttattcaca ccacttagca 120
tttgtggtta agtatcatc tgatccagag ttagatttgt caaggattgt aggatttgag 180

gttacaccat tcaggttgta ttataattct tttccaccta gtttctaata tagtcttgta 240
 cttatctatt aatcttatgg ctaataataa ctgtacattg aaatgattct tatgaattca 300
 gcgtaaagca tgaatatgaa agttaatgga atgagaattc ccgcttaact acctgtga 358

<210> 25082
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 25082

ttgctaaggt cggatatgcg cagaagatct tcctgcgaat atcttgatta cagatcgcg 60
 cagaattctt cggctttgta catccaaagt atactttgac gtatggaggt ggccaccgag 120
 tgaactatcc acgagacaac catattgtta catcgacgcc acgctccatg cattctatct 180
 gttttgacag gttcaggcgc gctgtcattt atgaactcta ctttgttctt ggctctcaat 240
 gcaatgatca tggacctgct ccatgagtgg tagttactcg aatgtaagac tgtggaaaca 300
 cggactgtgg ccggtttctc gctcgatgg atgcagagat aactctccat gttgttgatg 360
 g 361

<210> 25083
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 25083

ttatccttta tataagctaa ggcgaggggt gttcataccc agttacacac cacttgagcg 60
 atcgtatcca ccgatatgca atgtttctat agtatgacgc gtaatacaaa ggagtgccctt 120
 ctttgattaa tagtgttcgc cgctctacta acatttctgt tggatctttg cctcttagat 180
 gagaacaaat agggatatgaa ttggctcgat ttcatacgtc aaaagctcat aacctcacta 240
 cactcacatg gtaaccgagt tcacctaacg gcggtggcga gctacacacg cagtgggttac 300
 gggcgatcgc gacgttttta ccctgggact ctgtaaaccg 340

<210> 25084
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 25084

tgtcaaattg aaacaaatgc ttgtacaaat gaatgggttca tataaagggt aaaacagatt 60
taaaaattga aactacatcc taaaatataa cgctaaagca ctgaccaatt atgtttatatt 120
ataaggtggc cttatagtct tacaccaaac caaaaaactt gtgcatcaaa aatacaaaaa 180
aaaattcctc aaattgttgc ttatttccaa ggttttcttt tgttttgaac tccctatgaa 240
cccgaaaaca caaaagctac tattgoggaa ccacattgtt tataacattc tagcacatca 300
aatacatagg gtatgactta tgtgtttcaa tcagcaattt ctctacataa aataattttt 360
tttattgatt aattatcttt ctccaaagta acttactgaa caaaccatac cctatgt 417

<210> 25085

<211> 358

<212> DNA

<213> Glycine max

<400> 25085

atttatttgc aacggcaact atgttggtga taaagttgaa aggaaaaaca catgcggcag 60
atgtcacttt attggtggta acttagttac gtggatatgc aataaactag actcaactac 120
attgtccact gttgaagttg gatatatgac aacaacaagt tgatgtactc aacttctatg 180
gataaagaat cagctcgaag actacaacat ctatgatagt caaattccca tctattgtga 240
taataaagct gctataagtc tttctaaaaa tccaacattg ccttctagat ctaaacatat 300
acaaattaag catcatttca tacaaccctt aaccaaagac atcacgttct caatggga 358

<210> 25086

<211> 563

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25086

cccttcgaaa cgcacacaaa cgatcacact gcggangcat aataggggtc agnacaagaa 60
tagaccgogt gagacacana aaccaaaagc acgganatnn nttganacat cgtagcancg 120
cngngacact aganaacacg caagcggacg gaagchancc agcccgacaa aaccagaatt 180
cttgtgctat ccagcaaacc caccgacggg cccagggcca aaaagaatcc acaagggacg 240
aacgcgactg aattgccgca gcagacaaac aactaccaag gccacaaacc aaagggggag 300

ccagaagcaa ggaagcgaga gcacctgcac acacggaaac acaaccaacc agacactcta 360
 cgagaagcag cgatcgcaac acgagaaacg acaagcccgg gatgaaccac aaccgcaaca 420
 cgggcgacca gagaagaaga ttcatcaccg gaaggggaga cagaaaagcg acgaacccaa 480
 accctcaact caaggaaaga acagacaccg caagcgaacc cgagaacatg cctcacaagc 540
 gacacaacaa agcagccaaa ccc 563

<210> 25087
 <211> 374
 <212> DNA
 <213> Glycine max

<400> 25087
 tgtatgtttt cttatagaga tgttatttat ttatgcttta ccatttacta atagtgactg 60
 atatattgta aatagactgt acacacgatg aatgaagata aaaacaattg gaatgataaa 120
 gctctgactt tgatggagat tatcggatca acggctgaaa cgatcgacac aattcatatt 180
 aaagatcacg ttatgaatgt caagactatt ctcaaataga catgacatat tttaacacat 240
 tagtattgct tatattatit ctctttacat gtattcttat ggccaagtga gtaagacttt 300
 tgctgtaata tagaatgatc aactagagca tacttggcat atgctataca gtcttgacaa 360
 catgcactct atta 374

<210> 25088
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 25088
 ttgaacaata tacttggcct tcatttaatt gtttcttggc ttggcggcca cgctcaacaa 60
 agtactttcg acacctactg tacgttgatt tgaccaaggc tgttatggga atgttgcgac 120
 aatccttcaa aaccttattg atacattcta agaggttggt tgtcatgtgg ccatatcgac 180
 gtcattctct atcataagcc atcgctcatt tttcctttga aatgcgatca atccatgttg 240
 ctatggctgg acttagttca cgaaatitit cttaaatttg ataaaaaaa atgtgcttgc 300
 aaggagtgtg ggctgcataa aattagttat caataacaat ttttaagtata tatggaagtt 360
 aaataaacgt gaccattaaa tatgaaatct taccctaactt cttcaacatt tctttttgt 419

<210> 25089
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25089

ggatatgttaa tttgaacttg cctgctaagc gagagtgcgc actgagctag gattacacgc 60
 tgagcgagct gttcaattct tccaactctt cttcaattct tgcatacaatt ttactctaaa 120
 gcacttgaat tcttcttctt ttgacttctg ctaataaaaa attgcaaaga tgctaatttc 180
 ttcgttattt cattcaaaac aatagtagcag tgaagaaatt acaatcatta ttagtcaaaa 240
 ttgactatca agttaactca gatttcgcag ttatcaactc ctccaaatta aaacatttgt 300
 ttgtcctcat gcaaaagaca agttctgagt gtgccaacac atgagataac tatgaatcca 360
 ttaatacatt tgtcttga 378

<210> 25090
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 25090

ttatgaatta ctttggctga aaagttttga gctaattgca agctatggca taaggcattt 60
 acgaattgct ttggttgaaa agcatcttag aagacttgaa aattaaatgg gatggatcta 120
 tgaagctcta ttttaataat aagtcagcaa tcaatatagc tcatattttt agtttatata 180
 ccaaaacttt tagtttacca atctcaactc tttcccatca acacacccaa atggagaata 240
 aagatgagat ttattcatcc atcaggaaaa aaatgctgct tgtcaaaaat taatcaggta 300
 aatttttctt caaatagaaa taccacaaaa aattcaagcc aaggattcca tggatcattt 360
 ctatataatt acatattagt gttatactaa aacttcagag gcatatc 407

<210> 25091
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25091

agcttcttag tctcagatga tgcagctgag tttgtagcta cctcatgcac tcctctaattg 60

actatagcat catttatggc gctaaactgc tgggagttag aagccatctt ctcaattaaa 120
 ttcttggctt cagcaagagt catgtctcca agggctccac cactggcagc atctatcata 180
 cttctctcca tattactgag tccttcgtaa aaatattgga gaagaagctg ctctgaaatc 240
 tgatggtgag ggcaactggc acatagtttt ttaaactcgt ccagttactc ctacaggctc 300
 tctccactga gttgtctaata acccgagata tctttcctga tggctatggt cctagaagca 360
 gggaaaattt tttctaaga 379

<210> 25092
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 25092

tgacaagaaa gcagaacctg gaatTTTTgt aggttatagc tcaacttcaa aggcctacag 60
 aatctaccta ccatagagca acaaagtaat catcagcagg gatgtcaaata ttctggagtc 120
 agatagttgg gactggaaaa atgataagag gtccgagttt caggaggaga atgaagatgt 180
 tgatgaagaa ccataagag gaaccagatc actttcagac atctgccaaa ggtgtaaatgt 240
 tgctgtgatg gagcctgagg gatatgaaga agctacagct gatcagaaat ggataaatgc 300
 aatgaaagag gagcttacia tgattgaaaa aaataaaaca tgggagctgg tggacagacc 360
 taaccacaag aaagcgattg gtgtcaagtg ggtttataga accaagctca atccggatgg 420
 ttctgt 426

<210> 25093
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25093

agtctccgtt gttcaatttt gagcgtctcg atatattatg cgctgaatc tgactttcga 60
 gttaaaagtt atgaccattt caatttcacg agggcttctg ttgttcaatt ttgagagtct 120
 ctatatatta tgcgcctgaa tctgacatcc gagttaaaag ttatgaccat tcgaatttct 180
 cgagagcttc cgttgttgaa tttcgagcgt ctcgatatat tatgocgctg aatcggacat 240
 ccgagttaaa agttatgacc atttgaattt cttataagct tccgttggtc aatttcgagc 300

atctcgatat attatgcgcc tgaatctgac ttctcgagta aaagtatatga ccatttgaat 360
 ttctcgagag ctt 373

<210> 25094
 <211> 407
 <212> DNA
 <213> Glycine max
 <400> 25094

tataagaaat tcaaattggc ataactttta actcggatgt tcgattctgg cgcataatat 60
 atcgagacgc tcgaaattga acaacggaag cattagagaa attcaaattg tcataacttt 120
 taactcggag gtctgattca ggcgcataat ctatcgagac gctcaaaatt taacaacgga 180
 agctcttgag caattcaaatt gggtcataact tttaactcgg atgtccattt caggcacaca 240
 atatatcgag acggttgaaa ttgaacaacg gaagctctcg agaaattcaa atgggcataa 300
 cttttaacta ggatgtccga tttaggcgca taatatatcg agacgctcga aattgaacaa 360
 cggaagggtta tgagaaattc aaatgggtcat aacttttaac tcggatg 407

<210> 25095
 <211> 374
 <212> DNA
 <213> Glycine max
 <400> 25095

agcttgcatc ttattttaga attcctctat aataaagttt attacatcaa tccttttcat 60
 tttttggtgg taaggacggc tttagcccat caatcctttt tctatatcta tcatattaat 120
 gatccgggct cctttgaata ttttacagga aagattctat ttcacctgta atccgatttc 180
 gtaatcccgat gatgtgaccg ttttatttca tataaattaa ttccttcttt tatatgtgca 240
 catacaagag ttgggttagc gttttttttc ttgtacaaaa gttaaattaaa ccattttcac 300
 cagtttagcg gctttcgcca ccttcttcta cctctacaat atcccaccac tgccacaatg 360
 cccctccac gtgt 374

<210> 25096
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 25096
 tcagacccaaa ataactcaaa atctaggtat ctaaaactct ttttttagtg gattttcaag 60
 gtttgagaag tgaaaatgag aatggggtaa ctttgagca aactcccatc tcaaacaagt 120
 ctataacatt aatctaaact cgctcaaact ggttttacga cgaaaactct accgaatcaa 180
 aatttgactc ctcaacaccc aattttaccct agaaatgggt cttgccttca ctttggtcac 240
 tcattttcct cctttgcaca gcccagctt tcccacagtc ctaaatgaaa ggattaactc 300
 actctaact ccaattacca ctaaatccag atttggtttt tcaaatcctc aaagcatcac 360
 acctttccac tcatatcact acattctcac tttttaaccc taggttaact ctaccctt 418

<210> 25097
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 25097
 agcttgattt gaattaccat ttcaaagag caccaattac gcttgcaccc agaagagcta 60
 caagtcaagc tcaaaacaca gatagcaaac ctctcaact ctagagttcc atcaccaaac 120
 atctcccacc attctccagg ttgcataact tttctagtgt cctttgcctc ttccatagac 180
 aaaaaccctc tagcaaaatc aaactcaaca agttgcaa ataatTTTTT tcctttctac 240
 aacatccttg accaatcttc tcatacacat gtgcaaccct tctttcacct gagggtcac 300
 atgtctaaaa ctaggtttat aatgcaaag aggattacta taatacgagc ttgtatgcaa 360
 aggcttgtga agctaagat c 381

<210> 25098
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 25098
 gttctttgtg gattgatgaa ctctgtcatg cagaattggt gattgctggc tgacatattc 60
 tcaattagct cagttgcctc ttcattgggt ttcaacttta tttttccccc tagtgaagca 120
 tcgaacagtt gcttggtttg tgggtctcagc ccatttataa acatattcaa ttgatttggc 180
 tcagagaacc catgggtggg agtctttctc aataaacctc taaacctctt gtcgcaacct 240

acccttcggc gggagggcga cgcgtgactc gcgggatgcy tgttccacga aaggaatacy 300
 cgcggagtcy ccaccaacgt ttatttgagg aaaacgtcgy aaaaaccgga aaagacgcga 360
 tctacgaact ttttagtgaa aggttcggga gttgtattta cacac 405

<210> 25099
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 25099
 agcttggctc gttttgtccg gaagaagacg aaagcttggc tcgcggtgtc acggaggatc 60
 aacaggaatg gaagaagaaa agaagcagca gtggtcttcc gagaagagga gcgcgtttat 120
 agatttttaa cttaaagggc agaatggcca ttcactaaaa ttgctgggtg caccagcaat 180
 attgctgggt gcacctagca tatccctaa cagggtcaac ctatggcctt gatttgaggg 240
 gcggtgggtc atgactagga gtaaccacac gattttatca tatacacaaa tatatagtag 300
 aaaaatctat agaatcttta ttaatggatt ataagtattg tttacattta tatttatttt 360
 attcagatga atatatgatg t 381

<210> 25100
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 25100
 tgaatttggg gaaatccttt ttgagccgag tagccttatt gtagtatctc gtcattgtgtg 60
 gatcttcggt ttgatattct tcattcaact gacctttgac gagattggag tcaactcaac 120
 actttaggaa cttagctcat atttgcaatg ccacctaaaa gggctttgga cttggcttag 180
 ttgtttgtcg tctcgaactt aaacctctat gattgctcta gaattacttc atttgggctt 240
 tctaggatga ctccagcccc actccctttt gtattggatg agccatctac acagagcttc 300
 caccacttga attacaattt tgtattgctt gatagcttga ttacaaattt tactatgcac 360
 tgagacttca ttgacccctt tgattcatat tttagcccaa acttggacaa tttgat 416

<210> 25101
 <211> 356

<212> DNA
<213> Glycine max

<400> 25101

gaagtgcac aaatctatca tcgtgattcc taaagcactc tcacaagatt atcaactaaa 60
gctttctatc tattaatgct ttaaccgggt ctctaaggga tcttgtagc agttccatta 120
attattatac accaacaagc atttttgata ggaagactaa aagaaatgtg tcactaatgc 180
actgattatg tggtggagaa ataaaggagg taaacgccgg gatatttaca ccaatgagtc 240
atgagcaacc atataagaaa acttgacacc acatttaacc cagaacctta aggctcatga 300
ttatgagtca attggctctt ataccaacta ttggtgaatt gaatggagta aacacc 356

<210> 25102
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25102

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acgaaattga aggaagaaaa agggagagaa gttgaacttt gagttgtgtc tcacaagact 120
ctcattcatc aaagttacaa caagtgttac atatgcttct atttatagac taggtagctt 180
ccttgagaag ctttcttgag aaaacttcct tgaaaagctt atttgagaaa acttccttga 240
gaagctagag cttagctaca cataccctc taataactaa gctcacctcc ttgagaagct 300
tccttgagaa gattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 360
gctcacctcc ttgatatgag aagctagaac ttagctacac accnctata atagctaagc 420
tcac 424

<210> 25103
<211> 375
<212> DNA
<213> Glycine max

<400> 25103

taagcttggg atgaaacaaa tgcgattcat caaaaattac atctctactg agaagaactt 60
tcttttcaga tgggtgaccag atcctatage ctttcactcc atcaccataa cccatgaaca 120

gaccctttct tgatctaggt accagttttc cttcattgac atgataataa gcattgcagc 180
 caaatactct taggtttgag tagtttgctg ttttgcaatt ccagatttca ataggagttt 240
 taagtcttat agcagtaaag ggcgttctat tgatcagaaa acaagttgta ttgatagctt 300
 ctccccaaaa acttctgttg agaccaacat tataacaatag acatcttggt cttaccagga 360
 gtgttctggt cattc 375

<210> 25104
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25104

ntataagtgc ggggttcggga gacaaaggtc aagcgttcgc gatatgcgaa gatgatattc 60
 cgagtacttt ggatttggtta cgaccatgcc ctcttgattt ccagctggga aattggcgag 120
 tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttttaaaag 180
 ctctatagtt gggcctaggc tttagagttt tcattttggt aaggctttgt gtcttttggt 240
 tttgaattta taatacaagg atctttcttc atctgttctt ggtctctacc cattctcatt 300
 catttgcatg tttacttctt tttctgaaac ggcagatccg atgacgagtc ccccggaagg 360
 actaatacct gggacccgtc tatcgacttc gagcaagaaa tgaatcaaac ggaagatg 418

<210> 25105
 <211> 378
 <212> DNA
 <213> Glycine max
 <400> 25105

agtttgcattg tccgatgcag cagtaatgat ggcccagtg atggtgggga gtggttacga 60
 gcccggaata ggtttaggca aggacaacgg cggcataact agcctgagaa acgccaagg 120
 aaatcgtggg aagtatgggt taggctataa acccactcag gcagatataa agagaagcat 180
 tgcgaaaagg aaaagcgaag gtcaagggtc gcggttgaga caagaaggcg aaggaatccc 240
 accctgtcac ataagtagga gctttataag cgcgggtcta ggggacgaag gtcaagttgt 300
 tgcaatatac aaagatgatg ttccgagtgc attgaatttg gtacgaccgt gccctcctga 360
 tttccgacta ggaaattg 378

<210> 25106
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25106

tcacactgct gtgtagattn taaatctaag attgacagtt gcattgagtt tgacataaag 60
 aaaagaaaag aaaagaagaa aacattcctt tagcttaatt gtactgaaaa actacttgtg 120
 cataatcata ttcattcttt tcaacataag ctcatgtctt caaaatttgg gtaaatttgt 180
 attgaaaata ttttttatga taggaatatt actttctatc atacataatt acaaattgtg 240
 tactgaggag aacatattat gaatgtttta gattattcta ttgatcgaaa gtaaatttgg 300
 aatttgacaa ttttatagga atcaaaaaat cttactaagc tgacctctgc atataaattt 360
 atcaacatag ttggcttgca tgcttttcaa tgatttgaat acgccttaat agct 414

<210> 25107
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25107

agttggggca tagaggtaga ccctgcaaaa atagctgtta tttcacaatt gccttacctc 60
 tcttgcggtg gagagggttcg ttcttttctt ggtcatgcac gggttttatag gagctttacc 120
 aaggatttta gcaaagtggc cttccacta tccaatctgt tgcaaaagga ggtggagttt 180
 gattttgatg accggtgcaa agaggctttt gattgcctca agcgtgcggt gactaccacc 240
 cctatcattc aggcacctga ttggacagcc ccatttgagc taatgtgcga tgcaccaat 300
 tacgcattgg gggctatcct tgctctanag attgataagc tacctcagga gatctactac 360
 gcttccagaa ctttgg 376

<210> 25108
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25108

tattggatta tggggcaccg gtcatatgtg gtactaggtg gcgatcgggc gatggcgcaa 60
atgaactctc ccatttccac aagtcaaaca taaacacacc atccccagtt gccacacctt 120
aaattaagct cagcactcc tacgtagccc ttatcctcgt tcctctcagc accgggtccc 180
catcaacccc tccaagcttc cacaatatcc aaacaattcg atttcatttg tcatgaaact 240
accctaaacc aagaaaatag agtggaggca gaaaactctg cacaaaattc attccaattc 300
cacagttttc cctactcaca taccacagta acattctctt tgtttcgatt cgttaaccat 360
tggatcgctt tgaaaatttt actggagggt cctagtagat aaatatacat tntgacc 417

<210> 25109

<211> 376

<212> DNA

<213> Glycine max

<400> 25109

ttgcatgcat ttttcctaac ctacacaag tgtaagaact atgaacacct taaaaatctg 60
ttgtttaacg ttaaaactaa gaattttttt tttctcaact aattttgttc ccattttggt 120
ggaacttgct accttgccaa ttgaaatgaa atttgctttg attgtagtga ttttgctttg 180
aactacctaa gtggtacgat tccaaaggag tgggggttcaa caaaactaac taatatgtaa 240
gttcttatca attaattgaa agttttcatc tagttacttg ctttttgtat taaatacggg 300
tgctatactg tgcagctctc tatttggtta tcgtatattt ggggaaattc ctaaggaggt 360
gggaagtatt accact 376

<210> 25110

<211> 414

<212> DNA

<213> Glycine max

<400> 25110

tgtagaagtt actgtcatct gtcagaaaac cattatttgg ctttggaat aatacaatct 60
ctttgggaat ctgttgttgt aatgattgaa aaagagacct ggccaacttg gatgctccag 120
gacttttgct tatgtcttca actgcaccaa agacattgtt caatagggtta taggaatata 180
atggccattg ttgtaaacct aacactatgc agccagatac atgttctcat attctttgac 240

tctcctccct ccccatcttc tcctttttatc agatttgcaa aaagattaaa ttattctttt 300
 ccttcattga tgattcctca tcctcctgct acgcctttta tcagcaaatt attattattt 360
 aaccttacat aaaaagataa attggcagat tgccaaacaa ccagaaacac tgag 414

<210> 25111
 <211> 373
 <212> DNA
 <213> Glycine max
 <400> 25111

tttttttact ttatttttttc ccaatactta caaaaatata atcttatttt tttacctcat 60
 gtcattgattt gaacaatgtg tattgctaca aagtaactgat acttttagttt gcttcttaca 120
 tctatatctg ataccaatat attgatatat taatttctact ggtacatata tgtgaagtga 180
 ccaattctttt aaaaaaaaaat tatgataatc aaatatagtg acatgtaaca tagaagtaag 240
 tataatatag aaatataaaa agtattgttt cttgatgaac caaatatgaa aattgttttg 300
 ttatacgtat atttcaagac agatatgaga ttgatcattg atagtaccat tcttatatgt 360
 gatcaatacg aaa 373

<210> 25112
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25112

tggtgggtag aagtaactac tggtctgttt tgtgttatta tatgtattag atacaaagca 60
 tttcaactgc tctaagaatg aacatcagac ttctacttct tctcttttga gtgtattttt 120
 attattttcta attttgtgaa tctcttgtgc caacattatc cttctacaaa cttaagttga 180
 atcttttagcc aatgaatttt caaaagctaa gtcttatttg taagtttcat gtattctgca 240
 aatggaatga aattgtatat gaagtttcaa attgtatggt ttaattatat taataacccc 300
 ttaaaaaaaaa gatgatattg gttatgctga aacattttta actatttggt atgctgactt 360
 cgatggaaga ctccacattc taaattgatc tcattntata gaggtgtggt atctataa 418

<210> 25113
 <211> 347

<212> DNA
<213> Glycine max

<400> 25113

tctgctagtt tacggggcca catactatct accttgatag gaagcccaac attgtgcgtg 60
aaagactcat caatattttc atcattctca gtcttgccag aagggatttt gacatcagtt 120
tccacctcc tctgcttggc cttgctcttc tgggatctca acgtgcgctt gctggtcagt 180
ccagtgcgac tatcctttct atcacaattg gctgtgccc acaaggtcac agttggttca 240
gaacctttaa atggggttga gcattccttt tccgctgcta ttgttgcagc cttatatgcc 300
agatcatgga caatggagct gcaaaacagg atcgtatcgg ttgtctc 347

<210> 25114
<211> 409
<212> DNA
<213> Glycine max

<400> 25114

ttgttatgat taacatttca tcgatgaatt attttgtgac tgtcaggcat tatcttttgt 60
tgcatgcaga catcttatat ctttcacgca cacaaaaaat tgtaacaaat catatttgtt 120
tggcagaagt gggggccgaag aaaatactag atctgatgaa tgtcccatgg ctgactagag 180
agaacgttgc tagccacttg caggtgatgc tataatttca cacctgaatg ttatctttca 240
ttcaaagtga catctagttt ttaatatctt atactgtatg catgattaca tctcatttat 300
atccccgtgt ggtagactta caatcacaa aaagcttcac tgtaatacaa taggggtgtaa 360
gtggtaacct ccataccatt ggtcctgtac aaatgtttct cagaaacat 409

<210> 25115
<211> 379
<212> DNA
<213> Glycine max

<400> 25115

agcttcactc tgctcttctt ttacttccac attagttata gtctatattg ttttatgtat 60
acgtgcatga tgagctacct caaacttcta aattatgatc aattcacacg tgcgttatat 120
cattctgatt ataagcacia cctacaattc cctccaaaat tttgtcacia gaaagcactt 180
gtaagtttat aaatcttgcc tgcccacgag gtttagattg cttctttgcc caagtatgat 240

taggetgata tgcccgcat gctctgtctc tatctctggt gccttccatg gattgctggt 300
 ttatgtttgc ggaccccagt aacacatatt catcatccac tatcattcct tttgaatgaa 360
 cataaatcat gaatctccg 379

<210> 25116
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25116

tgatatgtaa ttatgtcttt tcaggaatga cctttatctg ttagacaatt ggcggcaatt 60
 tgaattctaa ggttaaactct gctgtgatga agggttcaac actaatgaaa cctactgcta 120
 gtcttttggc taagcaaaat cggcccatc caattgttag ctcaaggatga tcatcggaga 180
 aacttgttct ttgtcatggt tcaaggcatg aattattagt gaaaatcaaa cagtcttgca 240
 acatttgatt agttggcaaa cattttttga attgaatcat gtcactgcat tctaccataa 300
 gatattctgtt tgctcggcat ggtgcattga tttaaatgct ttctttcttg gatggttact 360
 ctgttcttta tgaaatcgtg aattcttatt aagtaggatt gccggagtat tactgcattt 420
 att 423

<210> 25117
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25117

agtttgtgta tataggcttt aatttactgc taatttggct ttgttttttt tgaaacaaga 60
 acaagtggag gaggagaaac atatatacat atcctttaaa aatggttacc atgcttgtca 120
 aaaatacata tccttcatac aactacatt ttgtcaaatt ataacctgac catacaccat 180
 tttttgagaa agcaacttga ggctattgtg gttcaagtgc cctagtattt tgcattgtgcc 240
 acattcaaac agtcgttaaa ttcttttttt tgatcatcaac atgaattttt tctcataatt 300
 aaaggataga ggaaatctca tgggtctttga tattgttgcc atagtaattc atttcaacaa 360
 ggattgctgt tagggatag 379

<210> 25118
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25118

tggccataac tgtcaaacia attcaatagg ttgtacatat ttctcttagt acctctgcag 60
 aaaatcagaa tgtcatcagc ataaagcgag tgcaaaggag tattgaaaga tttcagactg 120
 gacatcagat gagaacctta gattgaatca gttgagcagt gcccctgctg agaacctcct 180
 ctgccaaagca aaaaagaaaa ggggataaag ggtcgctctg tcgcacaccc gagatagacc 240
 cattgataga gaaagaaagt ctcaaatcc aggattgttt ttattcagca acaaaaggta 300
 gtgctgaagc cgaaggaatg aagaacttgg agaaggaatt gtcagtccaa cgagccaaaa 360
 gcttttttga tatcaatttt tagggcaatg tttcctccaa aagatttgca ttgcagcaaa 420
 tta 423

<210> 25119
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 25119

agctttggac aaggtaacttt accaagaatg tgaaagtggg aataatagca acaatgtgtt 60
 gagttggaat catagggtaa acattgctgt tggtttggct tctgtgttga gttatttgca 120
 ccaagagtgt gagcaaaggg tgattcacag ggacattaag actggtaaca tattgctaga 180
 tgggagcatg aaccaaggt tgggtgattt tggtttggca aagcttatgg atcatgacaa 240
 gagtctgtt tcaacactaa ctgcagggac aatgggggtac ttagctcctg agtatcttca 300
 gtgtggaatg gcaaagaga agactgatgt gttcagctat ggtgtggtgg ttcttgaggt 360
 ggcttgtgga a 371

<210> 25120
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 25120

tcgcaaatgt acttggttgt tgcccagttt catcatatct tccgtaatac ttatcacctc 60

tatcatatct aataattttc acatttatgt ctaattgtca ttttacttca ttgtagtaaa 120
 tttctaagga atccattttcc taagaaatct cgggcaataa atagacataa ccgtaacgtg 180
 aataatcatc aataatgggtg ataaagtatc attcctttttt gaaagaacta acaccaaaaag 240
 gtccacaaat atcagtatgc acaatttcaa gaagttgagt gcttcttgta gctcttttct 300
 ttgtatgttt tgcttgtttt tcccttaata caaccacac aaatatttag atccgtaaaa 360
 tctagataag gaagaatttc attctttatt aatctttcca tcctttctct aaaaatg 417

<210> 25121
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25121

cgtttattgt ttcccttctc ttcttcagat tgactggatc tgttatgcgc aattaacaag 60
 cctggattca aaagccacca atttgcatag tgatctccat catactcaca tcacaatgga 120
 aaccaagaca ttcgccaac gcagcaccgg tacacttate tgtgcagaca gactcatgac 180
 atgtcagacc cagagttagc gactgactat acttaacgcc taaaaactgt caggtagaga 240
 ttacaactta atctaagctc actagctcgc caacacaaac gaagtgtgcg ctcaaccgat 300
 agcctttcta ctcaaaata tagaagcaat tcgtgcactt aacatcctat aagaaagtga 360
 catggagaaa ctaaccac 378

<210> 25122
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 25122

tgcgagctat taggttagtc atattctaac tagttcctcc tatcaccgtt tgttacgctt 60
 agtatgataa taatgggttg aactagacgc ttcaattctt tgattcgtgg catatagtat 120
 tggttaatag cttagcatgc tggagtgtga ttttcttate tcgaaattat gataatgcca 180
 aggacttcag aatgggtgatt atgtattcta taagatttgg gtttctaatt gaagtaattc 240
 tgaatgattt atagcttaac tctctttgaa tttattgggtt atgttattat gtattaattg 300
 atgtattgac tcgtaagaag agtaaactctg tttctcgtgg caagatgtta ttagaaagtt 360

tttctttggt tttgtttttt ttccataatc gtcttgcagc caaaaacaat tgtca 415

<210> 25123
<211> 379
<212> DNA
<213> Glycine max

<400> 25123

agttttgaac aatattcttg tccttcattt aactgtcttt gggcttggcg gccacactca 60
acaaagtact ttcgacacct actgtacgtt gatttgacca atgctgttat gggaatgttg 120
caacaatcct tcaaaacctt attgatacat tttgagaggt tggttgtcat gtggccatat 180
cgacgtcctt ctctatcata agccatcgtc catttttctt ttgaaatgcg atcaatccat 240
gttgctgtgg ctggacttag ttgacgaaat ttttctaaat tttggtaaaa aaatgtgctt 300
gcaaggagtg taggctgcat aaaatgagtt atgaataaca attttaagta tatattaaat 360
aaacgtgacc atcaaatat 379

<210> 25124
<211> 416
<212> DNA
<213> Glycine max

<400> 25124

tgatacaagt gttcttgagg tctcttccat caaagctttg taaggagctg ttaatcttgt 60
tactcttatt gttttcctta ccaaatttgt gcaagtttct cattcatggt tcaaaaattt 120
catttccgtt cttagaagtt tgagacatca agtaccogag ttcttagttc atttgagtca 180
ttttgtgcaa cttcatcaag gtaaagggtg tctttccact tcttgaacct taaccttggg 240
agttatgttg ttcgattgtt tgtgtgacaa gtgttttcta ctgcttaagg ggccataatt 300
ggttccttga gagtaatacg tagacctgag cctcgatatc ctttcttatt tttgactgta 360
tgtgtttggt gatgtaagtg gcacgagggc tacacatgtg atgcagtggc agaaat 416

<210> 25125
<211> 376
<212> DNA
<213> Glycine max

<400> 25125

agcttgtcaa ttgaacacat caatagcctt gcaccccttc tcaccatttt ctctccaaaa 60
atcaaaaactt ggaacctcat tcttccccat tttgcatgag atcttcaagg aggaagaggc 120
cacaattttc atcttcttcc aagctccatc atattgtttt gactttttct ctcaaagcct 180
tggtagaag cccttaaacc tttcttttcc ttctaatttc tttctcattt ttatgaaaaa 240
ttcttacttg aggttccaaa tttatttttc atcctttgga agcttgagac ttcaacatct 300
aagctttttt tccttaacca ttttgtggaa gcttcaactca aggtaagggg agtctttcca 360
cttcttaaac cctaac 376

<210> 25126
<211> 424
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25126

tcaacctagg ggagacggac cattccaagt gttggattat agatcaacga caatgcctac 60
aagattgact tgccaatga gtataatgta agtgccactt ccaatgtgtc tgatttatct 120
cttattgatg cagatggagg agccttggat ttgaggacaa atccttttca agaaggaggg 180
agtgatgagg acacaactaa gggcaaggac catgaagcac ttgaaggccc atgaccagag 240
gcatacttaa aaaggcccaa cacagtgatg aggacacaac taagggaag gaccatgaag 300
cagttgaagg gcccatgacc agaggcagac ttaaacaggc ccaacacatc atagagataa 360
ggctggtcat tngtatagct gccattgatg atgaatgaag gcccatgttt ccataatttt 420
tatt 424

<210> 25127
<211> 373
<212> DNA
<213> Glycine max
<400> 25127

agtttttagct cgctgggcg agctacaagt ccacaaaat gacactttgc ctataaatag 60
gcgtgctagg ggggctaaga aggggttcca gtattgagag cgaaggaagt tgagagaaat 120
aagagagaag aagaagaaag aagaggaaac gaggtcaaag cactgttgaa tcgtgactat 180

gatcaatctc tacatcattc cttgttcagt gttctttata cgactgtcgg ttagttttgt 240
 ttttaagatt taaatgtgat ctatgcaccc ttatgggtcc ccttggtgt ctgtgcatat 300
 tcattctctc attctatcat cggtaatctc attttttttg taaagtttaa acttaactga 360
 tcattagcgc cgt 373

<210> 25128
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25128

ntgtttagt tgtgaagtag ttgtgaagaa tgctttatta aagttagtgg aacttgatag 60
 attgtcaaga attgaatata gtctcagtga aaaagacgaa ccaatataaa actttttgtg 120
 tctgacctt ttatatctct tgttttaatt gactaagggt ttgaatttga ttttattttt 180
 taaaagagtt tttgcaaaat cggttaatat cgtctaattg agtctgatgt gaaaatcagg 240
 ttttttttat ctttaagctt tatcagatga tagctttgtg atatttgtct ttacaatttg 300
 atgttccaca tcccaatata acaaaatctt ttaataggaa gtatgcctcc caaaaaagtt 360
 gtagatacat gtcttcctaa tttaatcatg tcctggatta tatttttaaag aataaat 417

<210> 25129
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 25129

ttaagcttgt cggcagaact aacaatttcc attaatcaat ttatcactaa taacttgtcc 60
 ttagattgga atttttaaaa taagatcaat gctttgagga attattttat atttcataat 120
 gtggaagcat ttaaacaaaa ttaaaatttt attttgatgt gaattatagc aatgggatca 180
 acacaaatga attactgtag gacaagagaa ttagtcattt acattgcatg ataaagaaaa 240
 ctagataaaa taacaaacaa aatgctgttg ataatacgaa agttcacgag accagtgtta 300
 ctaatagtta gtgggggtgt gtatgttttt ccctaaaccc taaagacaca taagatgtgt 360
 aacaaaccaa ctaag 375

<210> 25130
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25130

tgtatTTGaa tGttagtGta atgaggtGga tatagcgtca ctggtactta ctgtttcatc 60
 aattgtaact ttcatttgac gggcattcaa tttggaagaa gttgggctta cttccagatt 120
 tcaattacta tttttcactt tccagtgcac ggctctttct attatgggtt ccctacagca 180
 acattttggc atcttatatc ttgtttgaat cttgggttga tacattgtcg tctttgaata 240
 cattgaatgt tgagaacttt agcctatatt aatatctatt atatctagtt tcttggtcct 300
 tcattttccc caaatttttt cttagtgcac ctttcattat atagtgccag agttgtactt 360
 actgttaaaa tgaaactttt tcgttcttat ttattataat tacattgaat tct 413

<210> 25131
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25131

cccaaccacc aagaatggac aggggaaaag aaaggagaga aaaaaacaaa aaagaaantt 60
 gagctgtgac cctganacca nnanaggaac aggagcacga gggagaagtt gacgaatana 120
 ggggacggcg acaaggggag agaggcggac ccgccacgaa caaccgagga cagagacaaa 180
 gcgaagcgac ggaagacacc aagggccgaa agaaccacgg gaggaccaca cgcgacacga 240
 agacccaaag agcggcagaa acaaggaaca accaaggagg aaaagggaca gagccggacg 300
 agacaagaag gggaaacaaa aaccgagcgc cgaaagagac gacaaaaagg gaaacaaccg 360
 gagcacaaag cgcagccgca cac 383

<210> 25132
 <211> 221
 <212> DNA
 <213> Glycine max

<400> 25132

tatgcttgtt ttcagttata tgatgtcacc tttcttacac agggcataac acatataacg 60

ataactgttt agcgaaaaga acggaatcac tgtttaacgc ggaatatgcg gtttcttcga 120
aaccgcgttaa gacgtgaccc ttaaagtttt tgttattgta aacggacgtg aaggatgtac 180
atgtggcact aggtccaacc gtgtgatgca agggcttaaa g 221

<210> 25133
<211> 378
<212> DNA
<213> Glycine max
<400> 25133

tttgcttttc ttgatgtcat tcaaaacaca ctatgtagac ctaaataag actaaacatt 60
gtttatttaa ttgtattcat tatacgatat aatttgttgt aaccggttac taaccaatta 120
atattatcaa ctactcgttt ggtaagcaa ggaaattggt ggtccaacaa aaatcattta 180
cgcgtgcagc atacatcatt gtcataattg acaacacata atgacatgca tgtgtattac 240
agtttgagcg tgacaacaca ttggctgact tcagtaacaca ttttgaaact agcagtcgct 300
cgacaacaca ttgggtgact tgactacaca ttagcgacaa cacattggct gacttgacta 360
cacatctacg cgtgtctg 378

<210> 25134
<211> 418
<212> DNA
<213> Glycine max
<400> 25134

tcctctaccg taaaaaaaa acattatcgg ccagtgatcg tttttaaaaa gtaattgcgc 60
aatgtcaact gaaaaatatc agtcgggcta cttcacgacc gatgtcggct attgagtttt 120
ctattcaatc ctttaatgaa atatttatga tgtcggtaag gaaatgttcg atcggcgtca 180
tgcggtgatg cttctttttt agacctcgat cggtcacatt tcctagcggg cgtcgactga 240
catttttttc aatcaatatc ggtgaaaaat atttttttgc cgagatgggc taatgttttc 300
gtggccgaat aaatggaaac atgccagttt cgcccgaaag aaaacgtcgg ttgagctcgc 360
tcaaaaaaac ctagccgacc tacattgtac attttttatg caacaccaa acaagaaa 418

<210> 25135
<211> 370
<212> DNA

<213> Glycine max

<400> 25135

tagtcttaaa cctaataata caaatactct ctacttaagt acatattctt tccatctcta 60
cctcttatgt tccacattaa tgtcatccaa atgacattca ctagtacaag aaaacaacac 120
ttgcaatgaa agatttcaac caatttttag ttctcttcaa cgaactttca actttcacia 180
tctttctctt ttgtcgaaaa atcatcaagt ctttctcatc atttagttca tatgaacacc 240
attcaaaaaa attgtatcca actccaactc tgttttcaat ggaaaaaccc acaaattaaa 300
catgaaacaa agccatacta ttaaaaagaa atgactaaac cgttcaagac aaactcaccc 360
aatgaggaca 370

<210> 25136

<211> 409

<212> DNA

<213> Glycine max

<400> 25136

ttaactaagt ttttagtcct tgaacttttt tgattttcta tttttagttc ctaaataaaa 60
atttgaccga tcaaggtctt tcaacttttt ttcattaaga tttttagttc ctaaacaagt 120
ttcaaactcc tccacaatgg tgagtggatg ctcaggcata agcacccaat gggcaactcc 180
ctttctcatc ttttcatgat cataattggc acttgacttc aataagaaat gaatttgtgc 240
atcataatta gattcaccat aatttaaggt cttttgtttc aaattaaatt tatcacaatt 300
ccctaaatgt ctctttgaat gtgtggttgt tccacctcc ttgtagcata ttttcttctt 360
ataatgtaca caaacaactt ttaatgtctc atttgataac ttaatctca 409

<210> 25137

<211> 378

<212> DNA

<213> Glycine max

<400> 25137

agcttttagt ggtatttgac taattatggt ttattgtact tgacttatta gggtttagtg 60
ttacatgacc aattagggtt tagggttatt tgaaaagata gggttgcttg actaattggg 120
tttaggggta ttgacaaat aagggttag ggttacttga cgaatttgga tttaggggta 180

tttgactaat gaggatttat atgtagttga gtttaattagg gtttagtggt acttggccaa 240
 ttagggttta ggggtatttg acaaattagg gttacttgac taataagggt ttatgggtat 300
 ttgaaaatta aggttttaggg ttacttgaca atttgggggt taggtgtatg tgactaatta 360
 agatttatag gtacttga 378

<210> 25138
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 25138

gttgcccaat gaggtgacat tgaaaatacc tagagggact acttgatata cagaatttgc 60
 tgctcgtttc atagtggatt ccaactgcgt atatgcata ttaacgggca taccactaac 120
 cagagcagca accaatttga ccttatttgg actctaaagt accatagaaa acaggggatg 180
 tgaaatgtgc aactagtcgg gatttaatcg gatccttatt agaccataaa ttaagacatt 240
 gtccacagca ggccagggaa ggcatacaaa tggctaagaa attagatgcc aacttttctg 300
 caaaataaca tgttggttga aacacagaag tttcttagcg agtagctagg cagtggcacc 360
 acatagatgt aacaaaacat tggaattagt caatatacat gttattgcta agctgaacat 420
 acttgt 426

<210> 25139
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25139

agctttatct ttaaacadat ccttacctc actttctaca ctagttcacc ttcactctta 60
 ttcgagctta tactcgactt tacttttact acactagctc tttttcttgg gtaactcact 120
 ccactttcct tactcgaact tatctcttaa atactaccct tgcttttagtc tatgattgaa 180
 aacaatacaa acattctaac ctatgggtcac atagtgtcat tctagataga cttcatgcc 240
 tttaaaaagt cactttctcat ccattccaag tcatcacaat agtttcccat cccaatatat 300
 atcataacta aggaggggaa catccacca ttacacaagt acaacctaag gcattcatgg 360
 catccacatc atccatcac 379

<210> 25140
 <211> 421
 <212> DNA
 <213> Glycine max

 <400> 25140

 tggagaggat gcttcaatgg aggaaaagaa agaggggtgtt ataagaggga ggggggagca 60
 cgaaattgaa ggaagaaaaa gggagagaag ttgaactttg agttgtgtct cacaagactc 120
 tcattcatca aagttacaac aagtgttaca catgcttcta tttatagact aggtagcttc 180
 cttgagaagc tttcttgaga aaacttcctt gagaagcttc tttgagaaaa cttccttgag 240
 aagctagagc ttagctacac acaccctct cataactaag ctcacctcct tgagaagctt 300
 ccttaagaag attcctaaag aagctaaagc ttagctacac atacctctct aatagctaag 360
 ctcacctcct tgagatgaga agctagagct tagctacaca cccctataa tagctaagct 420
 c 421

<210> 25141
 <211> 367
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25141

 agcttccctt ttcaattacg agcgtctcga tatactacgg gacacaagcg gacattttag 60
 tcaaaagtta ttgtcttttg aatttgctca gagcttttgt tttcaattac gagcgtctcg 120
 atatattacg ggactcaatc ggacatccga gttaaaagt attgtcgttt gaatttgctc 180
 agagcttctg ttttcaattt cgagcgtctc gacatattat gggactcaat cagacatccg 240
 tgtaaaaagt tatcgctggt tgatttttct aatagcttct gttctgaatt tcgagcgtct 300
 cgatatatta cgggactcaa ttggacatcc gagtaaaaag ttattgtcgn ttgatttttc 360
 tcagagc 367

<210> 25142
 <211> 414
 <212> DNA
 <213> Glycine max

 <400> 25142

tgagctcatt gttgctgccc cacaaagctc ctcggttttt atctcagcca tgttcctcct 60
 tgtgggcect tttagtttct tgttcaaggc ctctttagt ggctcgattt tcctctcgta 120
 actcagtga ctctttccag atgtttgtag cggtgactt gaacttttct ttggcgagtc 180
 ttgccttccc tagctctaatt tttagagctt ggacttcttc atcttcttcc ggagcttcga 240
 agttctcttc attgataact tttacttgg cgagccaatc taaccctcgc gtatgaactc 300
 ttagccattc gtgataacca ccgatgacgc cattacggat gccctaagt tctttatcct 360
 tcctcaacgg acttcttcat gccttgtgga ctctttgtac aaccttgaga cttt 414

<210> 25143
 <211> 349
 <212> DNA
 <213> Glycine max

<400> 25143
 agttttgttc tttgcattaa atgagaagac ctgaacttat cacgttatct aaaaaaaacc 60
 ttgggggtgga tccaagecgt tcgatcattc atttgcata tcatgttttg gcggcatact 120
 caccgatgtt cttttcttta ggaatctcat cataactaag aaagcacaaa ggcaccctta 180
 taacactcga tccagaaaaa tggataatga agagggcatg cacgaacaga tgaaggccga 240
 tctatcggcc ctaaaagatc aaatggcttc catctcggag gacatgtcaa aactccagaa 300
 gactatatag gataaagcca cgacaaccgt ctccagtaaa gttagggaa 349

<210> 25144
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25144

ntcataagtg aaatcaggtg cagccatctc cctaagtgtt ctctcacaag gcagagggtg 60
 agtcatgttc tcagtatgaa aattaacaat cgaatgctca aaatcagaat attcagaatc 120
 attagcaaca gaatgctcaa aatgctcaaa gtgcataaaa tgatcaggat gcacactatg 180
 cctaactaat ctatgaaagg ttctatctat tttaggatta aagggttgta aatcacctgg 240
 attgccccta gtcatgcact atatgaagca aataatgtgt tctcaaacaa gcacctaa 300

agggggtaaa actacagcta tactcaaaca atatcaaaat gagctaaaat tttgtgagga 360
acaccctaaa atcatgaaaa gatagcatga aaattttcac acaaaaattc aaagtctaa 419

<210> 25145
<211> 378
<212> DNA
<213> Glycine max

<400> 25145

agcttggttt tgggtcaatag caccacacct gacgtcccca aggtctcctg acccccgcg 60
catatctcta ggtaccactc tatgggtcaac aaacaaaagt aggaagactg actcttcac 120
gctttctcac atcaagctta gtggattatg gggcactcgt catatgtggt actagtggt 180
gatcgggcaa tgggtgtaa atcaactctccc actttcacaa gtcaaacata aacataccat 240
cccagatgc ccaccttcaa ctgagctcac gcaactctac gtagccctta tctcgttcc 300
tctcagcacc aggtcccat caatccctcc aagcttcac gctatccaag caattcaatt 360
tcatttatca tgaaacta 378

<210> 25146
<211> 417
<212> DNA
<213> Glycine max

<400> 25146

ctgacaagtg ttgtttttca ccttctcgat aagcctattt gctagcttag cgagcgctcg 60
ctaagcgcaa cactcatggg ttaagtgcga ggaagactct ggaagaagat aagctgtaca 120
ggttcactaa ggcgaccgct tcatctcact aagcgcaccg cttcagttca tccgctaagc 180
gagaaggcac gcgataagcc gaaattcact aatgtgcgct aagcgggtcca taagtgcgtg 240
atgtgtcatt attttctcct atttcttaac cctttttgtc accattttta ttactaatta 300
gccttaattg tgaaattaat tatgcagttt tatcatttgg gcctacttga ctaagtttat 360
gtttttaatt taatttcagg agaattataa gcaattgtgc ttgaatccga aattggg 417

<210> 25147
<211> 375
<212> DNA
<213> Glycine max

<400> 25147

tcaagcttga gcaccttttt cctcacttct tccttcattg atggggttgag ccttctctag 60
ggttgtatga ttgggtctata gtctccttcc atcattttct tgtgcatgta gttggcaggg 120
ctgattcctt taagatctaa tatgtgccac ccaattgctt ccatgtgtcc cttgaggacc 180
tttaccaacc tattctcttc ctctgctgtt agctcactgt gatcaccaca ggcttggctct 240
cgctctcctc caagaacaca tacttcaggt ggttgggtag gatcttcaac tccaccttgg 300
tcttctcgga tggactccca ctttttaatt cttcaaagct ggtccccctt gcaggaatgt 360
tatcttcatg atcta 375

<210> 25148

<211> 416

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25148

tgtagaatgg ctagacatga tacatgtcag ggtttgtttt ggttcaagga taaaagggat 60
gccccacact atttccatga cacaaatgca aaaatgatga tttggaaact tttatgcaaa 120
actgggtcatg catgcaccta tgtgggacact caagtgtcaa acttttatgg tcatgtgatg 180
ctaggggtca ngattaatth cctccatttt aaatcaaccc aatgtttcca aaatatgttc 240
ttttatcaat ttgtgcattc ctccaagtcc atttcgggca tccggggaaa tttcacagca 300
ttcacccttc aggtgtagac acgttttttt tcaaaaacta gctatgatca gcgaattttt 360
cttttaaaga aaagttggaa atcatctctt ttcaaaagca tggccgattt ttagct 416

<210> 25149

<211> 381

<212> DNA

<213> Glycine max

<400> 25149

agttttgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcgaaaag aatagaaggg aaatttccaa tcaaagaaaa ggaaagaagg 120
aagatttcca atcaaaaaga aagcaaaaaa gaaaagaagg aaaattcccc aatcaaagag 180
tgggagaaag caaaaagaaa agaaagaaaa ttcccaatca aagaatggga gaaagtaaaa 240

aaggaagaag aagaaggaaa gaaagctcct gatcaaggat cgaaggaaaa cagaagaaat 300
 gtgcagaaag gtctttggac cggacaatat ctgaacaata cagaattgtc accaaatgaa 360
 aaaaaagaag gaaaggaaac c 381

<210> 25150
 <211> 421
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25150

ntgcggattt ggtcttcgcc agtgaaagga tcgatgtgtg tccgaaaaga ggcaaatttg 60
 atcatcctac taggacgact gagaaaactg gggcaaataga agaggggtgag aaagagggag 120
 aaacccatgc tgtgactgcc attcctatac ggccaagtgtt cccaccaaac ccaacagtgt 180
 cattactcag tcaataacaa acctctcct taccaccac ccagttatcc acaaaggcca 240
 tcctaaatc aaccacaaag cctgtctacc gcacttccaa tgacgaagac cacctttagc 300
 acaaaccaaa aaaacaccaa caaaaaggaa ttttgcagca aaaagcctgt aggggttcacc 360
 ccaaattccg ttgtcatatg ctaaactga tcccatatcc actcaataat tcaatgctag 420
 c 421

<210> 25151
 <211> 375
 <212> DNA
 <213> Glycine max
 <400> 25151

agtcttaaatt atttgaagtt ctagctagta cacttgaatt attatctttt tcttaagctc 60
 ctttaccttt gcctggtagt ggctgggggtt gagtaggctt atgtgacagg gcagcagaga 120
 ttgggaagtt aatttatggt tttgggttgc agatgagtga tttcagtgat aagctaataga 180
 taaagttttt gtggggatgt aattgtgttt agatgttttg aaggatatttc tagattaaag 240
 gttaacattc ataagaccta aaccttgccg acaagatgaa aatgggttatg gggaggcaaa 300
 cttgttgaaa gaattttaag tgtcatgatt tgttggctct agctatctgc ttggagccaa 360
 ctatgtaatt ggatt 375

<210> 25152
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 25152

tgccctaacc tttggaatga gctatagaaa tacccttaac aactccctct agttcagttg 60
 taaagaaaga aagataccca catataaaac atatcctcct aagaaagcac cagagtaatc 120
 atgaaataac ctaccatagc gaaggggaacc atgaaatgat ttaccagcc ttgggtgcat 180
 gaatattgat gttaaaagct ttgatgacct gaaactcact caaagaggat ctcatcacgc 240
 ttgaagtaag ataaccggcc cacaagcaaa atatgagcaa acataaggat cattgcttgc 300
 tgctatgaga caaaaagatt atgaaagcag gcttgatttt ggcaacttaa gatcgcccaa 360
 accatagaga taaaactagc aagaacaaca tcttttagctt gcgggcgaac aactaa 416

<210> 25153
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 25153

taagcttttc ttatactaaa tttggtgttg ttctgttggg ttggtggcaag aacagaggga 60
 gctggaacaa gcggcgaagc atattgcaaa tctggtatgc ttgtgcaact atacatactc 120
 ggtgctgtag attggttgag aacaagattc tgccttattt gttctcattt tgcagctgct 180
 ggggaattttg attttgtgaa tcagtgaaaa tgttgatatt cataacttac ttgcattcct 240
 tcaggacaag gagcgtgtca agttatacaa cgaaagagac atgaaagaag atcagctcaa 300
 atccatatct tcgacgaatg aagacaatgc ttgtactatg ttttcaaagt caaagagttc 360
 agacacgtac gtcaaat 377

<210> 25154
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25154

tattagtaaa acaatattgg attagccgca gagtatatta gctgtggaag caaaaccct 60

agagcaaaaa catgaaggaa agtgattgga tatttccatt gcaccctttc attcttctaa 120
 tggatcaaag atttgtaagg aaaaggaatg tacaaatgag ggaaaatacc aaatactact 180
 ttaattcatc atatgcagaa atgtcgggct acatcagaat gcatattaca cgaataccag 240
 tttgctagat aatacataat tttgtgaaag accaatttct tcatttgggtg cagcaagtaa 300
 atatagattc tgaaaacacc ccattattta accttttctt cccttctttc aacatcagtt 360
 ccaacaaaaa cttatcctcc aagttagctc ttgtgtatca acaacaccaa caaa 414

<210> 25155
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25155

cgcatgcttt tttcaaccta taggtgatgg accattccaa gtgttggaga agatcaacga 60
 caatgcctac aacattgact tgcctattga gactaatgta aacgccactt tcaatgagtg 120
 taatctatct gtttccgatg cagacggagg agccttggat ttgaggacaa atccttttca 180
 agaatgaggg agtgatgagg acacaactaa cgacaaggac catgaagcac atgaagggcc 240
 catgaccata cgcaaactta aacaggccga acacgtcata aagacaaggc tgggcatttg 300
 tatcgtgcc attgatgatg attgaaggcc caagtggaga cctatgaatg cccacatgca 360
 gaagcgctac taagac 376

<210> 25156
 <211> 415
 <212> DNA
 <213> Glycine max

<400> 25156

tgaagatgta tagccacca tcttttcata ctgtgttatg tgtctactat gattggcatc 60
 atgtgatctt cgtcattgag gtgccacttg aactgccaag tctctccacc tttgggcgta 120
 ttcttttaaa agattcgtgc cccattttt tgcacatggt caataattgc atcctatccg 180
 aagccattat actaacactg cctaacgaag gcaaccatta ggtccttcca agcatgggct 240
 cggaagggtt ccaagttagt gtacctggta acagctaccc ccagtaagac tttcttggaa 300
 ggaatgtatc agcaatttct catcttttgc gtatgcccc atcttccgac aatacatctt 360

tagatggttc tcggggcaag tagtcccctt gtacttgtca aagtctagca ccttg 415

<210> 25157
<211> 351
<212> DNA
<213> Glycine max

<400> 25157

tatTTTTgaa tggaagctct ggtctcttgc tgaaactgca tgttctgcat agtcatttgc 60
ctcacaagtt cttcgaggga aggttgtgga ggggcctcaa ctgttagctg tttctggggg 120
tgttgctggt gttggattgg tggaggaatg tatggctctgc ttggggccagc aacatttttg 180
aaagaacgag caggctgctg tagctgttgt tgctgagggc tggaccatct gaggttatgg 240
tgattactcc atccaaggtt gtatctgttg ctggagaggt cataattgct ctgctgcgga 300
tgattttgct gctgaggttg acgaggtcta ttgtaaatgt ttgcagcata a 351

<210> 25158
<211> 437
<212> DNA
<213> Glycine max

<400> 25158

gtgacactat aaaactaagc tttacaatat ccaaacaatt caattccata tgtcatgaaa 60
ctaacctaaa ccaataaaaa tagagtggag gcagaaaact ttgtacaaag ctcatcctaaa 120
ttccacagtt tttcctactc acatgcccc aatacattct cttcgtttctg attcggttaac 180
cattggatcg ccttgaaaat tttattggag gttcctaata cagaaatata atttttgacc 240
gttgggatct actagaaaat gcctagaaca cgagatgtac tacccttcct gtgactagca 300
ctgcacaact atttttctgc acatttggtg aaatctattg cacaatttaa catcattttt 360
ctgcataatg tggcagattt cgaattctag cttgcttgta tccaatttca ctcaaattgg 420
atcctacaag tcctaaa 437

<210> 25159
<211> 369
<212> DNA
<213> Glycine max

<400> 25159

agttttgaga aagtaagctt caaatgatct ttgaatagaa atagattcct cagcctttgc 60
 taatgcttct tcacgatggc cagtgtcata cagtatccat ccttcataga caagcctttc 120
 atgatcagaa gtagaataat ttctagccag cgcgaaacta cgcattgcag actttggaca 180
 attcaacctt caagattcag gaaaatcaac acccataata gtcaagctct ggcattaaaa 240
 tgaaaccagg actaagacac acccaaccag tttttcgaag tacttatcag tttccattca 300
 ttctgaaagc agagaagata caataactga aaatcacctc caggactaac acttatgaaa 360
 ctatgcata 369

<210> 25160
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 25160

tgttgaccat tgaatagggtg aatcgtgtgc tatactttgt ggataaatta gattctctaa 60
 aggcaagaaa cgccaaccct tttagcaaca gtagcaatga tgtcaaagta acaaccaat 120
 gggaaacctt tgattctgga atggaaagct cggatgcccc atccgataac tcgtcttcaa 180
 cgaaagtaac tcaagattgg gagcagtttg attaaatctt gtacatcata ctactgtccc 240
 ttcacccctt gttcgagatt catatatata ttgagaggtc ttggtacaac gatgttgcc 300
 tgtgatttgg taggcagaaa ttttaattgc agaaatgttc tctccgctta ggtaaagtgt 360
 catatgttaa tctatctcgt gcacttagtt ttaggcaaaa catgtaaa 408

<210> 25161
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 25161

agcttcccc cagttccca ttogagtacc taacgggtgt gatatttcaa cgttaaaaac 60
 cagaatacac aataccctta agctaaccga caacaattt ttggatgaaa tttactaccg 120
 acagcctttc acgtatgcag gtaatcaatt tcggtttcaa tgtatgcaac tgaaagatga 180
 tgctgatgtt aacacaatgt tattgtgtaa tcatgaattt tcggttggtg gtccgattga 240
 gttattatgt agcattgtta gaaccccaga tggatattta aacttacttg aaactactat 300

gaccctact catgatgcc tggtatatta caatgggagg tggaacatgt cagccaaaa 360
 tgagtttgtt gggtactcgt 380

<210> 25162
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25162

ntaaccttag gttgtacact tcatatcctt gcaagctaatt gcttgaaaga taaatattgc 60
 taattttctgc tagagtttgt ctaaatttcc tccaattaga tgatcatccc agatccaact 120
 cagtatgagt atagttaaatt gcccaaattg cagtcccatt ctgtgtcact tttataatga 180
 acgcattctg tgtcactttt ataatagaacg cattctgcct aatgtcaata cagtacaaga 240
 gaattttattt gtttcatgaa caaagaactg gacgacaggt agaaaattat gattcaattc 300
 agaaatccat tgcaagaaaa tagccttgag attgaagagt ttcagcatct gctacatgtc 360
 tatatgacta acgaccaata acagttactg gggtttctagc aaatatgcag cat 413

<210> 25163
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25163

agcttcattc catgagagaa cacaccatca acctgtaaac acacaaaaca aagagctaca 60
 accatagagg aaacctccta acttgacaac gcaccgtcta accgctacaa gatgacgcac 120
 gatgcacata cgaaacgata gagacaaaga cgccacacac aatataacaa acaatacaaa 180
 cgccacacaa gagagctggg catgaaaaaa ataaaacatc ttaaagctct ccaacaagct 240
 gcaaggctaa gtaatcatga cgctcctgct atcactaaca aaaaccacat ggcacanaac 300
 acatatatat acatatagag atatatataa agacacacac acacata 347

<210> 25164
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 25164

ccccatccac tatcgcgagg gcgatcatcc tgtatatcaa ggctacaacc aaacttatga 60
tcaataccat actgaagcct cataacatcc actatacgag taacttggat atcatgacag 120
gactatgact tgtatatacc aatactcagc acccatctag agttggcatt gttgttgcta 180
aaaacccttc cacaatagat gtttagtact gtacgtctta ttactataag tgggtactcct 240
cctaacccttg ttacaaaaca ccttataccc atatttgact ttgcactcgg ccctatacct 300
cactatttgt atatggtgaa tacacagctg gccacccatt cattatagaa tgcacaacaa 360

<210> 25165

<211> 381

<212> DNA

<213> Glycine max

<400> 25165

agtttgtgtc tgtattcttc tacagctctt tcaaagtgtc aataacctca ccgagtaatg 60
acgctttgtc catctatatg ttcaaaagta aagaaaagag atgttcaaaa cttcaaacag 120
tgaatgcatt ctttaaaatg tttatttcca ctgacatctg agcataaatc aaactataag 180
cacaatttca agttcctctc gccccctttt aggaaagaaa actcaaattg agtccttgac 240
aatcaaaaagc aacaattcaa ctaccaacta gcatagttac ataccaaaat attaagtttc 300
caacaattca ttcgtacaca agttgagatg gtaatggaag cacaagagag tgctaattgag 360
tctaattggct catacaatac t 381

<210> 25166

<211> 414

<212> DNA

<213> Glycine max

<400> 25166

tgtatctaaa aatgtcttaa aaatgaattt aattattttt tgttttctta tccctttatt 60
aatatatatg tgaggggtat aggggtgtcac aataggtgcc agcttggtga tgtggaaaaa 120
tgcaaagagc cacttttgaa ggtgagaagg catctctcac agtcggattt ggagagagaa 180
taaaggaaag ctattctaga tttattattt tctttaaaaa tggatgacta agggatctta 240
tgtcttatat attttgagtt aataatgggt tgctaattat ctttgggcta gggcttgagg 300

gagccaattg gaattgtgat ctagttattc ttctttaatt ctctaagcat tttgtttata 360
gattgtcctt taaatcttaa tttactgctg tgtatgaagt tgatgaatct tcat 414

<210> 25167
<211> 520
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25167

accacacgcc ataactagcg gagcagacga cgaagatggc gaccacactt acacaaaaag 60
aagnacaatg aatcgaatgca tgcaagncna anacgacaca gnacccgggg agccacgaga 120
gncaaaccgc aggcccgcga gtttctatac acgcgcggaa ccagncagcg ccggcgacg 180
agcagccgaa cacgacagtg gcgcccacag tggtctcagc aaagcaaaga gccgagccac 240
ccatggcagg agcaacaacc caccacatga acacagccaa ccgagacgca gaacgaaaac 300
aaaggcgacc gccacaagga nagagcaaac cccaaagcga gcacccaccg acaccgacgc 360
aaaagaaagc accaaagaca cgactaggac tacgaggacc aaaggccccg gccagcacac 420
agaacaacgg aaggagagaa acaaaaacgc ggaaaggagc tcgcaaacac acgaacgaac 480
agcgaaggagg ggcgaaacac accagcngag gagatcgacg 520

<210> 25168
<211> 579
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25168

ctccgccanc cccctancag cgacacactc anacagagta gaacgcagca aancaacgna 60
gtagcgaca ngngcgactc gcaatcaaca caaaacacac aancagacgg aaganntttt 120
cgggacctcg taagnacngc gacactanan naaacacaca gcggcagcgc aaagnncac 180
gacagacacg agcncattct ttaatcgnca gccgcggcca tacgagacac ccagccaaac 240
aaagacacgc aagccgagac ccgactgaga acgaccgtcc atgccatacg cagaaaaggc 300
aacgatccaa acaagccccg acacacggac aacgaggcac gcaatcaaac ccgagccaga 360
acggagatgt atacaccgca tgagccagaa gacatcacga gccaaaagat tgcgcacctg 420

gccacagaaa acaaacgacg aggtaccata agcaacggag gacggacccg aaaaagcgac 480
 gcatgacgag cacaaaaggg cacacaaaga aaaaaatcgc ccaaaagcaa ctattgtcga 540
 gacgcaatca caaaagaaac cgccgaacac agacacacc 579

<210> 25169
 <211> 513
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25169

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 acagannann ttgagcctga tgacaccatg gaaacaangn ngaaacgagc acctaacagg 120
 aaccggaggc agcagtctaa cgaattttta gcgcgcgcgagg agggacccga ccaaggagga 180
 gacaagatca accacaaggc cgacaacatt gactagacaa aagagcaatc agctacggaa 240
 atttatacgc ggccaagcag acacggtaac aaccgaacag aagagcccgg gaatgaaaga 300
 caaatccgga ctcatacaag aaggcagatg gagaccaca atacggccga gccacagaca 360
 cacatgaatg agcacgagac gaaaacgtgc caatgcacga tccatgacac ataaaagaca 420
 acggccgaac tgggtgaaaga ccaactcgat caacatagag ccccgagaa gacacagatg 480
 aaggccaaga gcgaaagaca ttacaacgaa acn 513

<210> 25170
 <211> 361
 <212> DNA
 <213> Glycine max
 <400> 25170

gcatcccttc aatatacgtt gttgtcaaga atttgtttca gacgctctcc atcttcaacc 60
 cccttatacc ttacaaagac gtacctatgg ccttgtttat tccttttcag aggtataaac 120
 acttcccaaa ctttaccaca ctctgaaaa atcttccaaa gatctttctc acggacataa 180
 tccggaaaat gggaaaagtc gaaagagggg atgtctggtc tgtccctcca cgatgatgat 240
 gagccccttc cgcgtttgga ggtctgggtga tgggtcttctg gaccagctat ctctttttca 300
 tgtgccgaaa gaggtctctg acgagcctta cttctaacct tgacttgagt ccacgagccc 360
 t 361

<210> 25171
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25171

ttaagcttga aggtgtgtaa cccaccattt tccatagtag aacactagca atatgtctac 60
 tatcattggt attatttctt tcttcgtcat tgtaggtggc acttgagttg ccaagtctct 120
 ccatctttgg gtgcattctt tgaaagattc gtgccccctt tttgcacatg ttctgtaatt 180
 gcacccatc cggagccata tcagaattgc actgatgctg cccaatgaat gcaaccatta 240
 agtccttcca agaatggact cacgaaggtt cgttatttag tataccaggt gacagttgtc 300
 ccactaagac tttcttgcca aaaatgtatc agcagtttct catcttttgc gtatgcccc 360
 atcttttagat ggttcttac 379

<210> 25172
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25172

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 aatagcttct catccttaga gtgtgtgccc atcttgcgac agtacatctt gagatgggtc 120
 ttgggacaag tcgtcccttt atacttgctg aagtctggta ctttgaactt cggggggata 180
 acaacatcgg gtactaagca gagatccgtc atgtctgcaa acggatagtc accaaatcct 240
 tccacggccc tcaatctctc ctcgaggaga tcgagtttcc tcctttcttc agttgtcggg 300
 ggcggtcctt ccatggacaa aactattggt tgtgtcgtga tggtgggctg aggcaacgtg 360
 ctgggtgccg gcccttcggn gatcgngga tagaactcga catcccttct agcat 415

<210> 25173
 <211> 539
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25173

accccacaca cacacaaaca taacgangga gggacaccac gancanacgt aaaacgcaca 60
 caacagacaa cganncacga tgaatgatgc catcgagac cccacangga agnaancaag 120
 cnncccgccg cagggcacag agagaaccag acggcatgta agctaactaa cacgagagag 180
 caacagacac gtgaaaaacg aggacgcaag aaggaactgc cacgcaaat gaaacgatgg 240
 aagcagaggc aaataaatcg agcatgcaaa cgcgaaactt atcatacaca aggggacaca 300
 aacaaaccta cgagcagagc gacaccagct gtggaacaac cccagaccg aacgggcagg 360
 ctcagaagcc tgagaacatc gaggcacca atgacgggac caagaacgaa ggaactgcac 420
 aacgaaacag ctcacagctc acacgctaaa tgtcacaccg tcaaagacag aaacagacta 480
 cgtctgaaga aaaaaacaaa gaaacagggt ccagaaatcg gacagaacaa acacgggcn 539

<210> 25174
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25174

gcttgagcca ttaatcgaca ataactttta ctttgtgtct gattgagtcc cgtcatatat 60
 cgagacgctc gaaattgaat attgaagctc tgagcaaatt caggcgacat attcttttta 120
 ctcggatgtc tgattgagtc ctgtaatata acgagacgct cgaaattgaa tgttgaactt 180
 ctgagcaatt tcaaacgaca ataacttttt tctcggatgt ttgattgaga ctcgtaatat 240
 atcgagacgc tcgaagttga atgtttatgc tttgagccaa ttcaaaccac aataactcta 300
 tgctcggatg tctgattgac tcccgcgatt taacgcgacg ctcaaaattg aatgttcaag 360
 ctctgagtta attcaaacga caataacggt ctactcggat gtctgattga gtc 413

<210> 25175
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25175

tattaacaga ggcgatgcaa cccgagcgta tcatggagct aatccagccc tcacctaccc 60
 agggaatatc aagagccacg atcagaccaa ttacaagacg gccttcaaca aacaagaaac 120
 cccaacaaca taccgcatat gaggtacacc accgaaaac accaaatcat gtgcgaccca 180

ccccctatga accgagcctc acctacaaga atagctaccg aacaaatcta tacgatacaa 240
 taacaaccta cctaagagcg gagcaacca taacctcgga gagctttcat ataacagcgg 300
 agatacatc cgttgatcaa agccaaacgc gacaaaaaac ccaagtaaac aacaacggac 360
 cagccccctcg acg 373

<210> 25176
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 25176

tttgctataa cgactctggc aattaatata cttttttata tacgaacggc tcacaatgca 60
 tgtttgtgaaa gtaagtcaat gtaagaataa atgcttcgtg gtcacctaata tgaacctggc 120
 gttgaaatgg ggggtctctca cagcgggagg ttggaaaaaac ttgcatgcg cattgaacta 180
 atatcttcat tgctttaatc acttagactt gtgcttatga ttgatttgaa attagagaac 240
 gattagtgtc agaaatgcac tattgtgttc ttatactatt atcaaaagat tcaaccttgc 300
 aaactatact ttacaaagtt tatagttgaa attttcacia tagaatgatt agaagagttg 360
 gtcaatcata cttgatcaaa aactatagtt ggtgtgcatg caa 403

<210> 25177
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 25177

taagtctttt tctagaggag accgaccatt ccaagtgttg gagaagatca acgacaatgc 60
 ctacaacatt gacttgccta tggaagataa tgtaagtgcc acttgcaatg tgtcacgaac 120
 acctctctgt gatgcatacg gaggagcctc gcatctgagg acaaatcctt ctcaagaagg 180
 agggaatgaa gaggacataa ccaagggcaa ggaccatgaa gcacttgaag gtcccatgac 240
 tagaggcaga ctgaaacaag cccaacacgt catacagaca aggctagtaa tttgcatacc 300
 tgccattgat gatgattgaa ggcccatatg gagaaagatc aaggcccaca cgcagaggca 360
 ctaccaaacac ta 372

<210> 25178
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25178

actagctgga cttcctgtgt tgtgaacctt cttttcatct gtcccaaacc caatcacctg 60
 gttcaagcac gactctcttt ctgcttttgt tggcttgctt tgcataagct gcatttttct 120
 tttcaatttg aaccttcact tgctcatgca acttcttcac atactcagct ttagcctgag 180
 catccttatg cttaaacata gcaatgttac gcatatgcaa catatcaaga ggagtcaaag 240
 gattaaatcc atacactatc tcaaatgggt aacaattagc tgtgctatgg acagcccgat 300
 tataagcaaa ctcaacatga tgcaaacagg cttcccaaga tttatagatt tttctttata 360
 acagtcctaa gcagtgtgcc ttaagtccta ttgactacct ctacttgacc at 412

<210> 25179
 <211> 648
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25179

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 acacncaaga caaaacacaa attgaccccc atggatgaca tcgtaagaac aacggngann 120
 aanagcgcgc gcccgcggg atccagaagc gaccaccggt taggangaat ttttttacct 180
 cgaccacaca cgacgataac cagaagagaa cagaaagcca caccgccctc gacagacaac 240
 tatacacgaa cgcagatgga cgaagaaggt agcacagtag aaacgataga gcaaaagaca 300
 cccaaatgga gccagaagga gcagagacat cgggcaagaa caccaaatac aagcgcctgc 360
 ggcagcaacg tgacatacga agacggcgac gacctagaag cgaaagcagc gcgggcagag 420
 tgcaactctga cacatacggg gtgcatgtcg acacaacgac gagagccaac agacaacaca 480
 acacagttag cacacgcact gaccaggcag ggaagcagac ccaaccagca anggtgagaa 540
 gaagaaacga gcagagcgca ctgaacagca cggaacgaca tctggcatca gaactcacag 600
 accatcgaac aacaacagaa cgtagcacta ccattagagg ctacatcg 648

<210> 25180

<211> 80
<212> DNA
<213> Glycine max

<400> 25180

cattggcgga ttccaccgat atgggcactt acactatctg ctctgtgccg tagtagccag 60
ccgaaccgca caccgtgac 80

<210> 25181
<211> 367
<212> DNA
<213> Glycine max

<400> 25181

ttgttttcat ttgtgtccaa aattagctta gatctgataa gcaagatggt aatgacttgc 60
aagttaaaat aaatgaagcg gaaaaaattg aatcatgttt gtaatctctt attttatttt 120
ttacatgtgt ataaaatatt aattaatttt tgtgctaata gagttgcgtt ttaattttta 180
gacttgtttg gtttggtttt gaatcctatt aacattgaaa ctccaagtgt tgggactact 240
aatgtttgaa cttcttaaga tattattttt aagtacattg ttatttggtt caccttttta 300
ttcgtattta tttttgtca tgtttataat attaataaat catgttttat tcttttgtat 360
aacaat 367

<210> 25182
<211> 407
<212> DNA
<213> Glycine max

<400> 25182

tatttacaaa gtgcaataaa aagcgaagct actttttttac agtgtgttgg gacatttttc 60
agaggagaat tgattggccg caaagatcgt tgggatatga ttggcatgga atgggaagtt 120
cgcctgaatt aataatgtga actgagaata atagtgtttt cttttccctc catttggttc 180
ttttggtaat caatgattca acccttgaaa ttattatca agagtaaaat aaacgattgt 240
atagttaaata agaaataaca attaaatttt accataataa aaaaacaaat aaatttttaa 300
taactatata ttttaccata catttcttct aaaaaaacc aagttcagag atatcattct 360
gcactttttt ttaaaatacc ttcacatgaa atatcgagta gtgattt 407

<210> 25183
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 25183

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* ttgcttggtt cgaggtactt acccgctgaa gatcgaagaa cgatgaagaa cgaatgaaga 60
acgtcgaaga acggttgaaa cctttgcgaa attcttcacg gaaaacgtta cggaaacgtt 120
tcggaagcgc ctcggttag attttcttca cggaaacgat tttccaagc aaattcgaaa 180
gagagagaag tgccaaagg gctgaaccct tttcttcttc acttcctccc ctatttatag 240
caaaatatgg gaggtggatg ccgcccagct cgcccaggcg agccagggtg cttcctccag 300
aagcaacagc cttctggagg aatattctgg atggcccaag tgggcctggg tgctatttgc 360
acccccattt tta 373
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<210> 25184
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 25184

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taggtattat ggtttaggga gtgtctttga ctcgttttta ttcttggctt gttgaaagac 60
agtgttgagt tccattctta cgatgcaagt agtttcagaa cagatgatct tgtaaaattt 120
tcaaaggttt taaatttctt cacaatatca gcctcaattt ttttttgtct ttgttaaaag 180
aagattcata ctcttgttta ctaactttcc agacttcac tgcttggttag ctctcaagtt 240
gattgatttc tacatctttt agttgttttg tcttttgac aacatatgta ttgtgaaaaa 300
gatacttctg agcctcattt gaattgttgg tattcaaaag acttttatat gtccttcaaa 360
ttcttaattt aaactttggt tttagttaag agttgatgac attctgatta 410
```

<210> 25185
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 25185

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agtttttatt tttatttcaa gaaggcccta gtacacaata gtttctcaag tacagagact 60
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aatctaaggc tgtgtttaca aggaatttt acaggatcac ggcttacaaa attttctgtt 120
catttagtta aacatgtacc agactgtgat gaactagata caaatattt aaaatccatt 180
tgtgcacaat taacacaaac aaatatatta ggttatcaaa ttcaaaacat caacagtcag 240
tcaaaataaa tctatttgaa tgaagagaga tagtctatgc ttctcagtca tatcaagtat 300
gcaacacatc cttttggcat caagaaagac cattccacat gaaattaagc ctgtctaaga 360
tagaccatcc cacatgaaat 380

<210> 25186
<211> 401
<212> DNA
<213> Glycine max

<400> 25186
tcctatatca tgccttttct cttagatcta tctttatttt ctattcaatc ttacccgata 60
aacgacattt atatgtaagg aatcatagga aacgaatttg atacaatcta ttttatttga 120
aatgaataag agaatcacat tttataatac acttacaaaa aaataatacg aagatagtgg 180
taataattaa ttttgtgttt aaataactaa atattcaaaa taaaaaagtt agctaaaaat 240
aagttgttaa ctattaatcg aaaagtttca gttaaaaaaa tattttaatc aaaaagttca 300
atgttttatt ttttataaaa agctgatttc tctgtaaaaa taataaaaag tgataatctt 360
aaattcttat gtatgatcaa attaatatat catgatttct t 401

<210> 25187
<211> 379
<212> DNA
<213> Glycine max

<400> 25187
agcttgact tgcctcttat cccttctatt tgttggcaat tttcacact cctatgtctc 60
aacaatagaa tttcatatct accatcatca tccaccctct tttcttagaa aaaacaacaa 120
ccttattgat tgaaaacaca tttattgaga ctcttattag gcatgtaatc atcaaccaac 180
aaaagctcgt tcctttttct acaatactat tggatttgga ccaagttttt ttgttgtaac 240
ctctccatga tcgatatctc caccatgaat tgttgtaaca cttgcttcta atcgtgggtc 300
gcacatttca cagtaatttg agtgttattc agtaatgtgc ttctacactc tcacaaaccc 360

tccagaacct gacaacatc

379

<210> 25188
<211> 419
<212> DNA
<213> Glycine max

<400> 25188

tgcctaatta acctgaaatt gagagaaaat tattatztat cacacaaaat ggaagtacta 60
agtatztat acctatactt aacagaaaat acttataaca ctacaaaata accataaatt 120
ggaagagttt gaaacaattt acacaaaagt tagtcatatt catogactaa cagagaccac 180
agttgaaaat gaaatgaatg agaagctagg gtttagcaaag gaacaaatac gaaggcggtt 240
ttttaagaaa cccgttggtt ttttaacttt caataattgc agaaatgtca caatgtcaca 300
ttctaagacg gtttttgata atgccttag aatgtgcgtc gtaaaaataa aaaatagtga 360
ttttaattac aaaaatgtca ctgcctcaca ttataagacg gtttttgtat aactgcctt 419

<210> 25189
<211> 377
<212> DNA
<213> Glycine max

<400> 25189

agcttcttta tattcctttc ggttatctca ttagaggctt tggtgaaatc tactatctca 60
ttagaaacat cgatattgaa gtaatcaatg aatctagagg ccaagacaac atgtggaaat 120
tcataatcca ctagtcgaca gctttttaac ataacatctt caatcagaag tacctaattc 180
atttgaatac ctgatttcag cccatatacg atttgaagt tgttggttagt aatttgagca 240
tgatttcttg accttgggtc gagagtgtat gtaatgagat acactaacat tctatcttct 300
gcggctaaaa caccaactcc aaggcggttt ctgagattcc ttgttgggtc aagaggcata 360
cctctgcatg tctgcat 377

<210> 25190
<211> 415
<212> DNA
<213> Glycine max

<400> 25190

tgaagacat gcacaaagtg tgactatatg atgtggttat tggtagta agcaaagtct 60
cacctcccc tctaaaattt aattggatta ggcttctacc aattcaatta aatttatttc 120
ccaacacaca catcaaatat tcaacttagtg catgtgaaat tacaaaacta cccctaatac 180
aaaaactagt ctaggtgccc taaaatacaa gggctgaaaa atcctatatt tctagggtac 240
cctacctacg ttatggagcc ctaaatacaa ggaccagata taatgacatc ctaatcta 300
atgtacaaag ataattggac ccaaccttgg cccatgggct cataaatcta ccctgagggt 360
catgagaacc ctacgacctt cttcaacagc tctagcccaa tcttcttagt gcctc 415

<210> 25191
<211> 374
<212> DNA
<213> Glycine max

<400> 25191

agtttaatat acccagctta catgcttaat agggtgccaa gtaaagcaat taacaaaatt 60
ccttatgaac tttggactag caaaaggcca agcattaac acatgcatat ttgagatttt 120
caactaaggc acaatcttat aggtcgtatg aaagaaagct ggattcaaga acaattaact 180
actattttgt tggtatgtc gaacgctctc atgatataag ttttacgac ccactttaag 240
aacctttttt gaaacaagaa atgcgagatt tattgagaaa gttgaatttg ggaaagaatg 300
ttgtctttct ggaataacct cttattgaca gtgtgatgta gctctatatg gagcttgtag 360
gccttgtagc ttct 374

<210> 25192
<211> 414
<212> DNA
<213> Glycine max

<400> 25192

tttctccaaa tctcgtccta gtgtgtgttc ctacctcatt atggcacatg ttgaagggtg 60
gactatctgt tatatatatt ttatttatat atgtgcgtgt acacagtaat agttaatgtt 120
atagatagta aaagagtgcg tgcttaggtg agatgagcta ataacttagg cacaattaaa 180
gttcaaaaga tacttatcat tattcattac ttttaatacat tcttgtaag cttgtaagtt 240
agttgtgtac ctattatcac tctgcatatg tgaaaattat tctttgaaat tctgaatgtg 300

gtttcaaaaa ggtttcaagg ccttgggtggg tatccaaaat gttgtatctc tgatcgatta 360
ggaatcagaa tcaagaagca ccaaactaca aaggaagcat gggaattgct tcaa 414

<210> 25193
<211> 375
<212> DNA
<213> Glycine max

<400> 25193

agcttaagag aatctatcct ttgtagtata catattatta gtgaaacata agaaccttat 60
tgtaaatacta ctctctgagt gttgtaaaga atctctgatt ctatatcaaa cttctattag 120
tgaaaaccaa gagtggctta gtgacaaaac aataacttggg tgttcttaaa ttcaggggga 180
ttctaagggg tgtggcaaga gtggccttga gaatacttgt aagccataag tgataggaaa 240
aaatacttat tgtaatcaag gttgatcagt ggaacccatt actagttggg aaagaagaac 300
tggatgtagc tcaggttgag agaaccagta taaaacaaag tatttctact actcttcatt 360
agcttattaa agtat 375

<210> 25194
<211> 416
<212> DNA
<213> Glycine max

<400> 25194

tctgggtggga catcttgact tgctttccaa tctgactttt tccacagatt ctgccttctt 60
ctattttcag attgggaatg cctctaacag cacttttgtc aaggattttc ttcatgcctc 120
ttaagtgcag atgtccaaac ctttgatgcc atattctgac ttcattcttct ttggaggata 180
gacatttgga ggagtagctg gtttcttggg gtgtccatag gtaacaattg tcctttgatc 240
tgctgcctt cattagaact tcaactcttct catttgtcac caagcattct gactttgtga 300
agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360
ccttcaccag cagtactttg ttcagactat gaagtccatc atgaactagc tttccc 416

<210> 25195
<211> 506
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25195

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cccacacgcc aacaacagta gaaaaagata gaagagcacg aacaaccaca tacacaaaa   60
acccagggga ngatgatcat gcaagcagca aanaanagaa ccgggagcac aagccaccgc  120
agcaagaagt ttgccttgcc aaccatcaca acaaggcggc ggcaacatga cacacacca   180
cgtctcaaac aaaaaacacc atatccacca tcatcaaaca ccctcaactg cgaaaaacaaa  240
caacgaccgc aacgaacgac aacacacata acgacacccc taacaagcac gaaatcatca  300
accaacaaaa gctcgaacca cgcactacaa cactaaggga aacggacca gataaacagc  360
agaaacctca ccatgaacga caactccacc aagaagagca gaacactagc tattaatagg  420
ggatcgacac gcacacaaaa agtagaggga caaccacgaa tgagcataga aactctcaca  480
gacactccaa aaccgacaac aactcg                                     506
```

<210> 25196
<211> 499
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25196

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accacaacaa acactactat aaaaagagag gaaaacgaaa cgaaaacaaa caacaaaaga   60
ggataattga acccgtagac nncaanaann aaaaancang ggcgaacaaa cacgaaacac  120
aagagaaaac agtttttacac aaaagggaan accacagagg ggacccacaa cgaaaaaacc  180
aaccacacac cgacgagcac aaagaaacac agaagcagaa cgcaaaccac caaaaacgaa  240
agacaaacac aaccacagag gaacaaacac caaccgagcg aacaaaaaga aaaagaagac  300
aacgaaacac acaaacaaac cagaagacaa gagagaacaa aaccgaacga agacagaaca  360
cgcagaagca gaaagaaaac accaaagcac agacagacac cgacaaggaa acaaccggaa  420
acaccggacg aaaaaaaaca aacaagcgcc acaacaaaac gcaccgagaa acaaaaaacg  480
cgaccgcaaa ctaaacacg                                     499
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<210> 25197
<211> 369
<212> DNA
<213> Glycine max

<400> 25197

agtttcttgc gtagccgctc ttggtgctca gaaaatccca aaaacaaatc cctcttatta 60
ctagctatatt tgaattcttt agttcctgaa tgtacaacct tcaaattggt gctcgttccc 120
ctctttcttt tctgcaaaaa agaaaatcaa atgctgtcaa aacatggatg aagtcttaag 180
aaaatcaata tcaaagaaaa catggatgaa atcacaatta aaaagcacia ctacctatct 240
ttcaaagtcc tttgggttaat ttgtcttgct tccttatatg gtgggggttt gtttaataat 300
cttatacttt tgccttccaa aaaaaactta tcactaatcc tcttttcatt aatccaatta 360
tggatgcta 369

<210> 25198

<211> 415

<212> DNA

<213> Glycine max

<400> 25198

tctaagcaca aatgttgaat ataaaattac tttatctttt atttaatat gttcacattg 60
attattaata tgctttaatt tatgcaaag ttcaagttgg ttgcaagaag aagaattaga 120
agacttggat tatttgata agaatttgat gggagtcgaa ttcatttttg acaagtatta 180
atttgactat ggatcttgat tctaattctt ttcattgttc aattctaaat atgtatatgg 240
ggatttataa taaattcctc taattctata tacaagaaaa gttctaagg gggagatata 300
taagttgaaa tggctcatgt acgttgctgc ttaagatttt gggttggata tagtatctag 360
tttacttgta ttatttgctt gaggtcgttt tatagtgatc tagtgaatag ctccc 415

<210> 25199

<211> 379

<212> DNA

<213> Glycine max

<400> 25199

tcaagtttga acaaccagat attctttgtc ctaccaattc actgctaact ctaaacaatt 60
caaaatattt aaagtgtatt tgctcaactga ctaaacttta atcgtctcac agatgaatat 120
aaaccctaag caagctctta gtcttttctc tcaagatgtt taaagtattt taagagcttt 180
tgatctttac aagaatatat aaaaagcttt ttatagaaaa aattcaaag ttagtgcata 240

ggttcataac tcatctcttt aaagcttcta gtatttatag gcattcttaa gtgttcacgc 300
tctcaaaatg gatagatttc ttcacgtgag cttgcgtccg atgattgtgg ccgttggaag 360
atctaattgt cgcattaaa 379

<210> 25200
<211> 412
<212> DNA
<213> Glycine max

<400> 25200

ttcgacgaag agtaattgtg cagtatgcc agttttattt aaccgagaca tgtaaacgat 60
gattactaag agtcgatgag ctcatatacc gacgatttca agtcatgcat ccatgtaggc 120
aattacatgt gatatttttt atctactaac tcgtaagaat tactcgtatt tgaataataa 180
ctcactcata aaaaattagc ttctgtatcc ttacaccaa tgggtcttgaa gattacttat 240
attatactcg taatgcatgt atattttttt tacattaaac tgaactaact aagggattga 300
tgtattgctt tgtacactta cgaggggtgc attgtaacga attttacaat actagtagga 360
tactttgtca cgttaaatga tggagaggta tatacgatga taaagattat aa 412

<210> 25201
<211> 375
<212> DNA
<213> Glycine max

<400> 25201

agcttttagt ttttcttaat gcaatttgat cgggtcaatgt taatttggtt aaaatgtaag 60
ttggatattc aaaccaaga cacagaaaaa acaaataaaa aacctactaa tatatgtaga 120
tttggaccta agtcaatttc aaaatttatc tcatgggata agaattgttc ttacttata 180
tatttttagag ctaaattaca attttaacta aaaaaaagtg agatcaaaat cagaaaatta 240
attatgatat ttgaaccgga ggaaaaaaa acggattttt ttaggtgtca aaaaaacgtt 300
gtagagttac aatcttatta tgaatactat taatacggct acatttttat taagctccag 360
tatatttggt tgtgg 375

<210> 25202
<211> 408
<212> DNA

<213> Glycine max

<400> 25202

gtgatagagg taaaacttca aaaccttgct attttttctt tcatcttctt atttcttcaa 60
caattatcat tatgattctc gaattaggca tgttcatggt ggatttttgt tacttggcga 120
tatatgattt ctattaatac ttttttgcac gtcattataa ctattatatt tagttttttc 180
ataagagagg caatgtagtt ttgggacatc aacatgcaaa ccctgatggt gaggattcta 240
tttggatgtg tgccttccaa tatgcaaata ttgattttca taaggttact cgtaggggta 300
caatgactca tgcgttcatg ggtgagggtc tcttttgttt tgaattattt tactaaatga 360
acatactttt tgcaattttt ctacctaaccc aatcaaaaata atataatc 408

<210> 25203

<211> 368

<212> DNA

<213> Glycine max

<400> 25203

ttgtttgttg caattcttct agacttagag tgataacatg cagtctctct gatcccttat 60
ctctcactgt ctgatatgc cgagactccg aaaccacaac aagttttatc ttttccatgt 120
actcgaaaca aaactcagta gcttgtttcg caatgtactt ttcaacaata aatgcttgag 180
gacgggtgtag attcttttga taccctttta agatcttcat gtatogctca accgggtaca 240
tccaccgcaa ataaatggga ccacaacatt taatttccct caccaaata acaattaagt 300
gaaccgtgat gtcgaaaaat gaaggaggaa aatacatctc caactgacac aagataatag 360
tagtctca 368

<210> 25204

<211> 404

<212> DNA

<213> Glycine max

<400> 25204

tgtatgacta ccatggtatc aaaattgaac tctattttac cagaaacact ctcatcagga 60
atgtgatgaa gctggaatgc aaagttcacc actaatgctt catctggact gcagttcagc 120
attgatgtgg tgacaatgga agtccttgat gccactgctc gaagtttgag tcaagttcag 180

catttataat ttcattgatg tcttaaaagg taacctgtgg atgtgcagct ggagttgctg 240
cagcatttag agagctccag tttgtggtgt attgtttgct ttggaagagg ttacatctta 300
attggtatgg atttttatct cttgatcaaa gattctgttt gcttagaagc atgtgcagta 360
aagatagtgg tgtctgtact taaattttgt tgcttgtgct cttg 404

<210> 25205
<211> 366
<212> DNA
<213> Glycine max

<400> 25205

tgcttcaagt tagaaactat caactactaa ggtttcttct tacaacctta aatcatgcaa 60
gacaaaaagt tttcccttgt ctcaaaatat ggggtgagtag tagtgactca ctttgtacac 120
cttttgggtt tctcttcgtt tatggaatct atggagaggg agtgaacctt agacagctca 180
tggaatccat gtggagattc acatgtgact ttactgtaaa ggccttcttt ctttattttc 240
tttaacaaaa taatattaaa atctagctac aaatcaaata cacctaaaat tgttgtgttt 300
tttaaataata tattatgtat tgtaaacaga aatattacaa ggaaaaatat tccttagtaa 360
tcccag 366

<210> 25206
<211> 415
<212> DNA
<213> Glycine max

<400> 25206

tagcgcgtga atagagaaaa ggcttagcaa gacatttctc gctaagcgtg tctctaggct 60
cacttagctg aaatcatgta tcttgagtac acaggagtgg gcgctgagtg taaattaaaa 120
tcgctcagcg cacatattgc cgcaaacatt tgagcttagc ggcatggaat aacacttagc 180
tcaatcaaaa tgaagtttgg ctgcaagaag ttcagcttag ccacaatgat tggcgtcag 240
ctctatgaac ttcagttata gccgtaaaga gttatgcttg gcaacactga gtcgtgctta 300
accaaggata aggtatcgct tagtggtttg gttgtcgctt agtcaaattc agatcgaatt 360
gaagttggct tagctcagcc ttggccagct tagtggacca aatcagcctc agatg 415

<210> 25207

<211> 372
 <212> DNA
 <213> Glycine max

<400> 25207

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gcttttctgc ctttgatgag tgttaaattg actcaatata attgttgtag ttataaacia 60
ttgtacttca ttataaagag tttttatctg caatttaagt aacacgttta atcataaagt 120
aatagtatat acgtactccg aacaatgggtg gaaacaaaac taacaatgat cgacatggta 180
gttatcggac taatttaata gtatgaataa cacaacaatt gattcagggg gaaataaaat 240
aaagtgaaaa aacttgtgtg aaagacagat acactttgat aaaggggatc taaattgttt 300
tacaaaacat gaaaccatat tcgacttagc tggaattatg gttagagtaa catgcaagta 360
actttgttac tt 372
```

<210> 25208
 <211> 160
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25208

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tgataattnt ataacaatgg aaagagataa gtgatatatt gagagatgaa attttgggga 60
agaagagata gggtttgaga gaggggggtgg gttattgaaa aaaaaaaggg agtttgggaa 120
agggtctcgg gtgtatagaa tgtagagggg gagagggggc 160
```

<210> 25209
 <211> 380
 <212> DNA
 <213> Glycine max

<400> 25209

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agcttcttag tctcggctga tgaagataaa tttgtggcta cttcatgcac tcttctaagt 60
acaatagcat catttctggc actaaattgc tgggagttgg aagccatctt ctcaattaaa 120
tttctggctt cagcagatgt ctccaagggc tccaccactg gcatcatcta tcatacttct 180
ctccatgtta ctgagttctt cataaaaata ttggagaaga aactgctcag aaatattgtg 240
gtgagggcaa ctagcacata gttttttaaa tctctcctag tattcatata cgctctctcc 300
actgagttgc ctaatgcctg aaatatcctt tctgatggtc gtggctctgg aagcagggaa 360
```

atTTTTTTTc taagaatact

380

<210> 25210
<211> 420
<212> DNA
<213> Glycine max

<400> 25210

taattatttt catctaggca tgacaaacat ctcacatcat tcttttgatg tagcaacttc 60
aaggcttgag ttatgaagtg accaaatctt tgatgccaca accatcaatc atcaattggt 120
gttctcattg caatgttagt attagtagta tattttaagc ttattggaaa acttctattt 180
tctttctcca tttcaacttt gataacacta ctataaaaat agttttttgc aacattgatt 240
ttacgttggt cgatcaataa tcgacttaga aagaaacaca gtggcatttt cataaataaa 300
tataaaagtt ttacgaccgt tttatgaaaa tcaccttaga agactgtcat tctaggatgg 360
tcttataaaa cgcgcttaga atactatcat tctaagatgg ttttgtaaaa accatttttag 420

<210> 25211
<211> 378
<212> DNA
<213> Glycine max

<400> 25211

agttttgtta cgtatgtgaa actttggcat catcaaaaca ttcagtttga tcctttgtct 60
acatcatatt ctttagtgcc ttccattgaa gaactttaga agctatcaga atttcacct 120
tcaacttgaa cctgtcatat tcttgagtgc cttcccatga agaactaatt ccatcttcaa 180
ttttgtggtg tttgaacaag ttaatatgtt gatgaatctg tgttgcttac tgatggaatt 240
tgcggtagac atttgtagat catgggttagg actagaggct taggtcttgc cttaggtaga 300
gttggttaata gaggtctggg caaaggggat cgtgatgatt ctgatggtgc tccccagcgg 360
cgaaggccta ctgtatcg 378

<210> 25212
<211> 404
<212> DNA
<213> Glycine max

<400> 25212

tgctaaccba tggaacctcc taatatctcc cacactttgt ggggtgggcc attcttggat 60
 ggccttgaat ttctcagggt ccacttggac cccatttcta ccaactacta aacctaagaa 120
 aactatatta tctacacaaa aggtacactt ctctatattt gcatataggg tgttcgtcct 180
 aaagactgaa agaacttgct tgaaatgtcc taagtgatca tctaggctcc tactatacac 240
 taaaatatca tcaaaataaa caactacaaa tgtacctatg aaatccttta agacatgatg 300
 cataagcctc atatacgtgc ttggtgcatt agtgaaccba aaacgcatca ctagccattc 360
 ataccaacta aacttgggat tgaaagcact ttttctactca tcac 404

<210> 25213
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25213
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 tcaaggaagc ttctcaaaga agcttcttaa ggaagtttct taagcaagct tctcaaggaa 120
 gcttcttaag caagtttctc aaggaagcta cttaggctat aaatagaagc atgtgtaaca 180
 ctggttgtaa ctttgatgaa tgaaagtctt gtgagacaca cttcaaaatt caacttctct 240
 ccctcttttc ctcttcaat ttctgtctcc ctccccctc tctctctctt ttttttctc 300
 cattgaagtt tctctctaa gcttcttctc caaggcactc tcttgggtgg gaagctcctt 360
 cttccatggc ttattccct 379

<210> 25214
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25214
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 tgtacctgtc gcaaggggtt gtggtttgtg ctctctgtct gaccaccata cagacctttg 120
 cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgtctg caaatattta 180
 caatagacct cctcaacctc aacagcaaaa tcaaccacag cagagcaatt atgacctctc 240
 cagcaacaga tacaacctg gatggaggaa tcaccctaac ctcagatggg ccagccctca 300

gcaacaacaa cagcagcctg ctccttccat ccaaaatgct gctggcccaa gcagaccata 360
cattcctcca ccaatccaac aacagcaaca accccagaaa cagccaacag ttg 413

<210> 25215
<211> 379
<212> DNA
<213> Glycine max

<400> 25215
agcttattta gcgaccgat ttaactaatt tgtgaccgat tgttgtggtc actaaatgat 60
gttcttttcc ttgcagtga tgccaacaat atccttgagt tttttttggc atggagaaat 120
gcaatcttga aacctccatg gaaattctga gtttcactat ttaattcttt ctttttagcat 180
taggagcgag gctttgagta tgagccttga aataggcaac aaattgggtcc ttaagtaggc 240
ataacttctt tgacacctgc atggttgoga aagtcttggc tccatctgaa gagcttagga 300
aatttctcac atgtgaacaa ttgcagccca tttatatctt gaattatagg tatgaataca 360
acaacaatat ccacataac 379

<210> 25216
<211> 418
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25216

cgcttncatc tggaaaggtc tgccaattag gtgtcttttc aactatatga tctaataacag 60
aaagaaacca ctctatctct cgtcgccaca ttgctttctt ctctgaacgc aggggctcta 120
atctccaaag ttggccaaag agggtagctg caaatcagc aaagaaatga acaacaacaa 180
tcaaagtcaa gaatagcaaa tgaataaaat tcaccacacc aattaataaa aaataaaaac 240
acagtaactg cttcaagtgt gcattttgca taccacatag attggttatg gcatttgaga 300
tagccaaggc tgtagcgacc ccatttccac aacctgacat atcttctcca agtaacaatt 360
ttgcaaacct ctccttcac atctcaatct ctacaagtga gaatgaaaat caaatctc 418

<210> 25217
<211> 378
<212> DNA

<213> Glycine max

<400> 25217

agtttgtacc gattttacat ggttgagca ttctcacaaa acagtgtgac gctggctggt 60
ctccctatga ttttaccag cgagagtgc ttgacttatt agtgtgtggt ttgtcttgtc 120
atgtactcct aggcgcccga agagattttt cactgtcatg gtaccacatt gcatatagga 180
ttgagtctta gtatatctgt ttcataacgc ttgtgtatca atcgatattg attgatttag 240
tgatattgtg ttttgatcat tgagtacgtg aatgttgtga aaacgaatga gacgtgtggt 300
gttgtgatgt gatgttgcgc gataaagtgg tgaaataacg tgagctatgc ttaagtaagt 360
tgtattttgt ttatatga 378

<210> 25218

<211> 427

<212> DNA

<213> Glycine max

<400> 25218

tactcacgct tagaaatcaa gtgattaagt gatcataaat tccaattctt tggggagtat 60
gaaatgagtg aatgtaactt tatatcttgc atatactttg cttgtatctt gatttcagga 120
ataaaattgt catcatcaaa aagggggaga ttgtagaagc aaagactttg actttgatgt 180
tttgatgatg ccatatgaac atgcgcttct caagttaaga tcaagacaaa aatccaagag 240
attcaagata catcatcaag aagatctcta atggtttagg gagggaattc caaattgaaa 300
cagcaagagg tttggccaat aaatttaagc taaaatgtct ttttcaagag atttactctc 360
tggtaatcga ttaccagagg atgtaatcga ttaccaatgg ccaaatgat ttataacagc 420
tattaga 427

<210> 25219

<211> 371

<212> DNA

<213> Glycine max

<400> 25219

agcttttatgc cttaataaga gccctccaaa cttgggaaca ttaccttggt tccaaggaat 60
ttgtcattca tagtgatcat caatcactta agtacattag agggcaaagc aagttaaaca 120

agaggcatgc aaaatgggta gaggacctag agcaatttcc atatgttatc aaatacaaaa 180
 agggaaaaaac aaatgtggta gctgatgccc tctctaggag acagacattg ttttgcctcc 240
 taggagctca aatttttagga tttgataata ttagggactt gtatgcttta gatgaacatt 300
 tctctcccat ttatgagagt tgtgggaaaa aggcccaaga tggattctat ttggctgagg 360
 ggtatttggt c 371

<210> 25220
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 25220

ctcagcttct ataaaagggt cgttcctaata ttctctacaa ttgcatcacc tctcaatgag 60
 ctggtgaaga agaatgtggc atttacctgg ggtgaaaaac aagagcaagc ctttgctttg 120
 ctccaagaaa agcttactaa ggcacctgtt ctagctcttc ctgatttttc taaaactttt 180
 gataatatta gggacttgta tgcttttagat gaacatttct ctccatttta cgaaagtgtg 240
 gggaaaaagg cccaaaatgg attctatttg gctaaggggt atttgttcaa agaggggaaag 300
 ctttgcatac cccaaggatc cattaggaaa ttacttgta aagatagcca tgaggggtggg 360
 ctcatgggcc actttgggat agacaagacg ctctgtctac tcaaagaaaa gttttattgg 420
 cccc 424

<210> 25221
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25221

tttgtcttat taaatctata tatggcttaa aacaagcctc ccgtcagtgg taccttaagc 60
 atcatggaca atttcttcat ttggttttga cgaaaacccc atggatcaat gcatatacca 120
 caaagtcagt gggagtaaaa tatgttgtct tgttttatat gtatatgata ttttacttgc 180
 agccaatgat tgaagtttgc tagatgaggt gaaacaattt ctctctaaga attttgacat 240
 gaaggatatg ggtgatgtat cttatgtcat cgacattaag attcatagag atagaccttg 300
 aggtatttta ggtctatcac aagaaaccta tattaacata atttcaaaga gaatccagat 360

gagagattgt tcaccaagc

379

<210> 25222
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25222

taatagtttta tccactctgt tgagtgattt gaatctttgt attcaataaa atattatttg 60
tttgtaaaag tcaagagtgc cttagtata aatagtactt ggggtgtctta tgtgaaattg 120
cttgacaatg tttgaagtgt gttgagtgtt ttggtcatta gctataccat aaatcctaga 180
tgcatgtgtca tgaaatattg agattggcca tcactataat ttgtgcatg cgagtgggac 240
atcatggcaa gcaaaaatcg aggtcaagag tagttgcctt cgatctcctt ttgggtatat 300
gcatgtctta ngagaactta gtttattttc ttatgtgtaa agatgtatag ttcttttcaa 360
cttcttggtt attgtttgga tacggacata agtataggat gtttcagtga atgcc 415

<210> 25223
<211> 369
<212> DNA
<213> Glycine max

<400> 25223

tcatgtatta tattatagga atatatggaa gcaaaaacaa taaccaaacc agaggggggg 60
aggagtaatg ttggaaaata cagtgcgagt aatgaagctc catattgggtc taaactccaa 120
aatgggttga gaggaccaca gggtacagat tcacagactc cttgtgttaa agttttgggt 180
gcggtgtcaa accctcaatt agatctgttg ttaaaccac taatagatgt ctgctatact 240
tttgagctcc ttttgacctc caaacatgac cgagtaagac ttagtctgaa taggcgtata 300
ggattataaa aactacaga ttatgcatca ttgttatact ccacaaaaa aaatacatca 360
tgtattagt 369

<210> 25224
<211> 405
<212> DNA
<213> Glycine max

<400> 25224

tctaatagct atatatgcat ggcaacaagt atattattct tgtcaattgc accaaaaage 60
aatggatatag caggaccaca cggccgagtg gcttctgagt gctacagaac ttgaatagta 120
ccacagttta gaatagcagc cgcgataatg ctagaaatag cagtattttg taactggaac 180
cagcacaaca ctttactggg agatattttac aaacaataaa agcagagacc taattgaaca 240
tcacaatata gggctctaca aactacagat taatttaacc caaaatacaa taccttttcc 300
ttgcgactgt cattttgtgt gtgtgaacct attacgacca cattatccgg aagattttca 360
agcttacttt tatatgaatg tgaatcttca tttctacaa tagac 405

<210> 25225
<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25225

agttttgagc caaaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
ttaccctcgg aagcaaaaaa gaatagaagg gaaatttcca atcaaagaaa agagaaggaa 120
aatttccaat gaaagaggaa aaaagaaaag aaaggaaatt cccaatcaaa gagtgggaga 180
aagaaaaaga aaagaaagaa aattcccaac caaagaatgg gagaaagtaa aaagggaagg 240
aagctcctgg tcaaagaaac cagagaggtc tttggaccag ataatatctg aacagtacag 300
aattgtcacc aaatgaacaa aaaggaagga aaggaaacca cgacctanaa tggctcttctc 360
cctttaatta ccaacacaa 379

<210> 25226
<211> 411
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25226

taacgtaatn gtctctcaca gtcttttagat ttgttttcca atccaatcct tgtgtccgga 60
ctcgtcagcc acttatgata gccaccgacg atcccattac tgcttccctt aagctctctg 120
tcctttcttc acgccgcac ccatgccttg caaactcctt ggagtaccct cgcgttgtgg 180
tcactaaaac cccgtgcatg gaaaggcgtg atgctttcgt ctaatggcgc tcctctcatg 240

gggtagccaa gctgtcttat ggcgagaacg ggattataat taatacaacc ccttgttccc 300
atcaagggaa catttggaca tccttcgcat gaagatagaa tcttgattct tccttccttc 360
tagcgaggga accaattaac agacgcccc ccatgctagc caagagttgg t 411

<210> 25227
<211> 365
<212> DNA
<213> Glycine max

<400> 25227

agcttttgat tcagacgcat caagtaacat gaatgattga atcccatacc gtatagcact 60
agctagctag ctgccttcac ttcacgttca caatgacatt gattcagtgg gccaaagcagt 120
caactcgggc agaaccacaat cggcgccggt gagttggtcc acgtggccca ccgcctgaat 180
gatcaacggc cacatgcatt tcctttcggc tactgtgtcc ccaccaacac aacacaacac 240
acactgtgct actatgcctg tctctgcaac ccagtgaaag tgagagtggag agacagacac 300
atgaaagaag gactcttttt cttttttcct caaacaaggt aaacaagtc gtaaacaaca 360
ttatg 365

<210> 25228
<211> 408
<212> DNA
<213> Glycine max

<400> 25228

tgctcaccba tcaccgaaag tgagtgttca taatctcatc ttttcatggg gtgtgctgtg 60
tgagtattca ctgttcattg cagttccatg acaatgttaa agcctttgac ttttttgttt 120
ttggcttggt tctttcagtt tctgttgtt aatgggtgcac acgcagtgtc ttccttgttg 180
aggtgttact ttttcttggt tttttctctc caagttttcc ctcaacaaa cagaatgagc 240
taaaaaaatg tggaattttc tctttcttct tccacttcac gtcttccgga tgcttttatt 300
ttgggtagtt attttggttt ttggatgagt gatatgatta cttatctgac atatagctta 360
ttctaccaga ttttttgagt gcttctaggc tgctttttac ttgcatct 408

<210> 25229
<211> 373

<212> DNA
<213> Glycine max

<400> 25229

tgcttacgat cctaataat ttttctgtaa ttatttttagt ccttttagttt ttcaatgcat 60
tcatttttaa cactcaattc atcaattaca tcaaatttcc atagatcata tatccaaatc 120
atttttattaa actccaatgt gtccaacagt tattcaaatg tctaagaaaa atcaaactcg 180
acacctcaca tcttactaga aaaaagccaa attgtatttt taacatacag aaaaagagga 240
aattatgaga aggctaaacc taataaaaagc aacaaaacaa ggattaaaac ttatttcata 300
ttaatttagg aatagcattg attatttccc tatcagtata ttgttaatcc catatagctt 360
tttccctttt ttc 373

<210> 25230
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25230

ntgtggattt ggtcttcgcc agtgaaagga tcgatgtggg tctgtaaaga ggcaaattta 60
gtcatcctgc ttggacgaat gagaaaactg gggcaaatga agaggggtgag gatgaaggag 120
aaacccatgt tgtgactgcc attcctatat ggccgagttt cccaccaacc caacaatgcc 180
attactcagc caataacaac ccattctcctt acccaccacc cagttatcca caaaggccat 240
ccctaaatca aaccacaaaa cccacctacc acacgaccaa tgctaaacac cacttttagc 300
acgaaccgaa gcaccaacca aaaggggaatt ttgcagcaaa aagcctgtag aattcacccc 360
aaatttcggt gtcatatgct aaacttgctc tcatatctac tcgataattc aat 413

<210> 25231
<211> 381
<212> DNA
<213> Glycine max

<400> 25231

gtgtttgtct gcttgaaggt aaactagatg ccttggttaa cctggtaacc caactggcca 60
tgaataaaaa atctgcacct gtcgctagac tctgtggttt atgctcctct accgaccacc 120

acacagacct ttgctcttct gtgcaataat ctgaagcaat tgaacaacct gaagcttatg 180
 ctgcaaakat ctacaataga catcctcaac ctcagcagca aaatcagcca caacagaaca 240
 attatgacct ctccagcaac aggtacaatc ccgggtggag gaatcatccc aaccttagat 300
 ggtcgaatcc ttcacaacag cagcaacaac aacaacaacc ttatttttcag aatgctgctg 360
 gctcaagaag accatacggt c 381

<210> 25232
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 25232

ctcagcttca tgatgatgaa tcaagttgat tcaagctggt tttatgataa caaaaagccc 60
 aagagaatga ttgcaagatt gagtcaacaa gttcaagatc aagattaaat caagattaat 120
 ttcaagattc aagaaatgac atcaagaaga ttcaagattc aagattcaag agaagtttga 180
 tttcaagatt caagagaaga tgaattcaag attcaagaga agaaatcaag aagacttcac 240
 aagggaagta ttgaaaatat ttttcaaaaa acaaacatag cacagttttg tttttcaaaa 300
 gagttttttc tcaaaatatt ctaagttacc agagttttta ctctctggta atcgattacc 360
 aattacctat aatcgattac cagtggcaaa gtttgatttc aaaagc 406

<210> 25233
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25233

agctttggga ttattcacat gagttaacaa gaagcaatga atgatcaatt gtgaaaatga 60
 attgcatccc atacctagat cttctccata attccaccga atttatatgt gtatagatgc 120
 atgcaagcaa ggagtgggtc tgatgggtgt tttctgaaaa ggtactacgg cggtcattta 180
 cttgcagcag tgggacaata tgaaaacaat gcattttttg tgattgcata tgcaatagta 240
 aatgttgaag ataaagacaa ttggaagtgg ttcctcacat tgttacatga agacattgga 300
 gactacgaac aatatggctg gaatttcatg tcagacatcc aaaagggtga attcaattgt 360
 cttgctttga gtaattntga c 381

<210> 25234
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 25234

tctataaatt agaatttttag tgtaatgaat aagattatat attgatacat aaaaaaattc 60
 tattttctatt actctaataa gttgacttta aagatgttta cctttaattg ttaattctct 120
 tcaggaattt agacgtatca aggggaacat aaactcaatg aggggaacatg cagagctttt 180
 gagttctgtc agggatgata ttactgactt taagggtgaat catgagtttg atttgaatta 240
 aattacaaag ctattttctc atagctgtac tagacttacc ttcttctggc agacatcagg 300
 cagtatgtca ccaaggatgc agttactacg tgagagagct gccatccatg gaagtatatc 360
 tcatgtaagt atttataata tgaaatatga tgaatttgta ttcttctact tgaaattct 419

<210> 25235
 <211> 72
 <212> DNA
 <213> Glycine max

<400> 25235

agcttctttt aagacatttg tgcttttttt tatttattta aatgctttaa tcttgaacac 60
 ttatgcatgg tt 72

<210> 25236
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 25236

tggaccgtgc gcttagtgag actcaaccgc taagcttggt tcagctgctt agcaagtgag 60
 acaaattattg aagagaatct gccatgtcat cacgcgctct gcgtgtcatc agctcattca 120
 acgagaagat tgtctcttcg gctcttagca tgagaatggc actaagccaa atttcactta 180
 ctacagctaa gcgtgaagat ggcgctaagc gcgccttcat ggacaaaaag acctttttaa 240
 gcctaaattg cagagaatga agagaggagg tctgaataga ctacatgagc atagtgtctga 300
 acgaagaaca gaggaaaagc ttgttggatc aagtggcctc tgaataatta agaagagggg 360

ttgaattaat tattcctaaa cctttactaa ttaaaaattg actcttcta

409

<210> 25237
<211> 376
<212> DNA
<213> Glycine max

<400> 25237

agtttgtaga attcacccca attctagtgt catatgttga ctgactccca gatctactca 60
ataatgcaat ggtagccata accccagtca aggttcctta acctccattt ttctaaggat 120
acgactcgaa cacaataggt gcttatcttg gaggagtact ggggcattcc gttgagcatt 180
gtatgaccct gaagcgtaag gtgcaaggtc taattgatac atgctggctg aaatttgagg 240
ataatcactt gtgaattctg acattggcaa gcgacactat gtatggggca attttgaagg 300
ttgttgatag atgtctctag tggctcatta gagttttcaa gtttatgccca ttactgtaaa 360
caacagttgc aatgct 376

<210> 25238
<211> 415
<212> DNA
<213> Glycine max

<400> 25238

tgatcgttga atcttgattc ttgaattcaa ctttcctctt gaatcttgaa gtgttcttca 60
actttcctct tgaatcttga attgagcttt ttgtcatcag ctttgtcatc atctttgtta 120
tcatcaaaac atctttgaat caatcttgat tcatcatgaa gctttgcttc tacaatgtcc 180
ccctttttta tgatgacaac ttatgaaatc aagaaacaca cacacacact ttttcctagt 240
cgatcactca cataaatttc cattctcccc ctttggtttt gaatttatgc ttctcttaaa 300
attaagttga ttactcatgt gagttcttga ttttaattcct atttctctcc ccctttgaca 360
tcaacaaaaa gccaaagtgc gtaacaaatt ggaagcattc aaatataact aatca 415

<210> 25239
<211> 379
<212> DNA
<213> Glycine max

<400> 25239

agcttatatt tacaaatgaa caaatgtact ctattgtgca caatatacca aatatggccc 60
 tatcgagcac gataagtttt taattacaaa cgaacaaatg aaatgagtat gccatgacag 120
 gttaatatat cagtctacaa atgaacaaag actcaaacac aagatgaaaa tgtaattttg 180
 cactaattaa tccaacacca taattgcaact ttattcattt acaagttata gccataggct 240
 agcacaaggt agcagttaac ttgaaacttg tgagtcaccc acaatagata gagtaataat 300
 aggccatagc atacagacaa ctgccactaa atgaaaaact aacctggtaa agtccatgaa 360
 ataatccagc ttccaacct 379

<210> 25240
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25240

tccncaaaga agggtaggag tcaataaagt tttaacttat tttgatagca ttgagaggaa 60
 agagaagttt gttccaacat tgacaacatt tgatgaagtg tcagcattaa caacttttga 120
 tgaagtgggtg acaagagaaa tagacgtgga gtctgggtgat tttgttgaag aagatgttaa 180
 gcttaatatg ttggaccggt cgtgggctaga gtgaaaggat tttactgtac aagtcattta 240
 tcaaagttat atatatatat atatatatat atatatataa cataatatag tccaaaattt 300
 aaagtaccta atattttaag ataatttcat ttcagattat gcaatgttat ggaaaactca 360
 tcttatctaa tttatcattc ttatacgcac acggtagtca gtcgtcaat tgtcatt 417

<210> 25241
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 25241

agttttgctg aaggcttgcc gttgaagttg acccattaat tgccccaact ttcgtaaact 60
 ggtgacctct aagctcttga ttttgacttg ataaaacctc tttttaagcg aaggcttttg 120
 acttgatccc atgttttact aaagtgaaat aaaatctagt gcaatcaaaa ctccgacatc 180
 tatcatgggt ggaatggatg aatgcatgaa gaaatgcata tgacacagat gcaatttacg 240

aatacgggag cccgagaaac tgtctccttc ttagatacaa cgtctagggg tagcaaagtg 300
 ccccaacgta tgtattttaa acggtgatac ggacccttcg ttggtttgct aaagtgaggg 360
 gatcaaagac ga 372

<210> 25242
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25242

tgtcgaaatt gccatgtttg ggtgagttag tactttctcc attctgtttt agggtttttg 60
 tgatgatgtt tgtaatgttt atatgctgaa attgctgatg gaaatctgtt agagatgaag 120
 ggtagaacta acctaggggt agaaagttag aatgtgatgt tatgagtggg aaaagagtga 180
 gactttgaga gttggaaggc taagtctgaa ttctgtggta aatggagggt aaagtgagtt 240
 aatactagct tgaaatgtca tttangacat gtgagaaagg ttaggctgag ctagagagaa 300
 aaacaaatga ccaaagtga ccaagagcca tttctagggc aaaattgggt gttgaagagt 360
 caaattttga tttggtggaa tttttggtgt aaattcaggc tgagcaaggt tag 413

<210> 25243
 <211> 376
 <212> DNA
 <213> Glycine max
 <400> 25243

agcttttaaaa tttgaattaa aacgttcaga aactgctggt aatcgattac catatatgtg 60
 taatcgatta cacagtgcaa attttgaatt caaattttta tagctgttgt aaatcagttt 120
 tggccactgg taatcgatta catcctctgg taatcgatta ccagagagta aatttgtttg 180
 aaaaagactt tttaacttaa attttttggc caaacctttt gctacttcaa ttggaattcc 240
 cttcctatct aatataccct ttctaagact ctagagactg tcttgatcat ccatcttgaa 300
 tatctttaat ttctttgtct tgaataaagc tttgagacgc atgtgaacct ttggcatcat 360
 caaaacattc agcttg 376

<210> 25244
 <211> 413

<212> DNA
 <213> Glycine max
 <400> 25244

ttctcggggc catttcctgc gaaggcaaac atttgtaag ttagttttac cagtgggata 60
 ctattcttaa aacaaaaatg acatacaacc tcctcccata aatacaaaaca tcaatgtaaa 120
 tttagagcaa gcttatgcmc atatttcctt acaaacgttc tcttgacaaa gacattctat 180
 taaccgaaaa aaatgcaccc atatacaatc aaggcagctt cgttacctag attatttaca 240
 cgtacttcca aggtgtatatt gttacttaca tcacacacct ccttgggctaa attcacatac 300
 atgcatactc aaagcatttt ggggtaccaa aaattgcaca tgtgcacatc ttgggtatttc 360
 taacacctat acatacacia acttcatgat gaattctgac tatctacaca ata 413

<210> 25245
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 25245
 agtttcttta ttgccaccct ataaaagatg tgaacaaagc atcagacatc ttcataagagc 60
 aaacattgtt attttaaact taaactttgt caattcatag taaattttta acaatagtga 120
 agttatgttt taaataataa tatagttcta gtaagatatg ggtgtttgcm tgtgtcggta 180
 agtgtaccga ttgcacaaag tagtataaaa cggtaagacc gactatcgta tcttcagaga 240
 atttgtttca cctagaccat gtacattcga tatgcaagca cttatacgga ttaaaataag 300
 gcaaatagtg agttctgtac tagaaaatct atttgaacat aaacaaaata tataaagtta 360
 taaaagatga aaactat 377

<210> 25246
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 25246
 tcacacaatg gttcatcact ttctgatgg aagctcaata tatttgtctt agcctgggtt 60
 cttttttcct cttggaagaa acagtctaaa aacttgtttc caatgtcact ccaagtgata 120
 aggetctgag atggatgagt attgagtcac ttcaaggcat tatctcctat gacggaaaaa 180

tggaaaacca tcatatagag attctcctct tcagtttggg tcacccctgt tgtaccacat 240
 tgatcataaa atgtggccag atggttgat gggtttcat tagctaagct aggaaatgca 300
 tgttgggcaa ggaaagtgat taggcctaac tttagccttt gttgtgtggt tgttgctcct 360
 tggcttagca atgttgaagt atactcgtga accattatca gtgtcatggt ccgcaag 417

<210> 25247
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 25247

ttaagcttac ataatgagca tctgtccctc aaacaaactc tgcaacttag aatctaaagt 60
 agaagatgaa gggatgtcag ctgctggtgc aaaagaaaaa ggaacaccag ctgctgtgga 120
 cctgggttttc cttgccccta gaaaattaac tatttgggtca ttcacattcc aacatttcct 180
 tttaatatag gccaaagtga tgaccggcct caggctccta taagaagtaa gagcatcaga 240
 tccaactctc cttgtcctgc acaaggctat gattaaagct gggaagccta ggcgagaaga 300
 gttggaatga gccataatgg ttatctatcc aaagatcaag ccgccaatgt tcatgtccat 360
 ccttgtgact aagccata 378

<210> 25248
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25248

tgtatgagta cttggaaaga ttcaagaaat tgtgtgcaag ctgtcctcac caccagactt 60
 ctgagcaact cgttcttcaa tatttctatg gggacttagc aacatggaga ggagtatgat 120
 tgatgctgcc aatggtggaa ctcttggtga tatgaccact gctgaggcta ggaatttgat 180
 tgagaagatg gcttccaact cccaacaatt cagtgcaga aatgatgcta ttgttcttag 240
 aggagtcaat gaggtggcca cgaattcatc ttcattact gaaaataaaa agcttgaagg 300
 aaaacttgat gccttggtca acctagtaac tcagcttgcc atgaatcaga aatctacacc 360
 gtgtgcaaga gtctgtggtc tatgttcttc tacagatcac catacagatc tc 412

<210> 25249
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25249

tatctttag tagagaaagtg tggaagagtc agtcttctta cttttattcg ttgaccatag 60
 agtggtagct gaagatatgt cacgggggtc aggagacctt ggggacgtca ggtgggggtgc 120
 tattgcccac aaccaagctt gaccaatccc gacccaaccc gggcatcgat tacacagtgt 180
 aaattgcagg tttccatggt ctgaagctgt gtaactcgag tttggcctct ggtaatcgat 240
 taccaatggt gtgtaatcga ttaccagaga agaaaacctt tgaggcatac cttttaacta 300
 catgtagcgg ttatgggact cattgtgttg tacacgtagt tagatttctc atgaaagagt 360
 ctaccctttt ttctct 376

<210> 25250
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25250

tattcggtgt agtcccccta tggtagattg ttatatgttg aactctaata tgtagtttag 60
 gcataatctg gtttagcttt tgtgggaggt gttctgtgtg atcattatgg atctgtttgt 120
 ggtttcatat gtagctaata ttgggtatttg tccagttttt aatatagaat tatgagctct 180
 atatattggt attctcattg ctgagcgaag acgattcaag cagttcacta tggagtcaaa 240
 ttcttagctt tttatcaatc ttctatagca taggtgcatt gattctcatc cttgtgcagc 300
 ttttggttaa tagtattgaa agatttagaa gatttgttga gtcataagac aaatcagaac 360
 ccttaataat tttgattaga tgtaaataat tacaaagttt ctaaattgag tc 412

<210> 25251
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25251

tattttctcc ttacgcattc gtgcgggtatt tcacaccgca tatgggtgcac tctcagtaca 60

atctgctctg atgccgcata gttaagccag ccccgacacc cgccaacacc cgctgacgcg 120
aacccttgc ggnccgcatcn aatataactt ctcataatgc atgctatn 168

<210> 25252
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25252

tctttgctnt gcttatacac ataggaggaa gaattctatc attcataata atcttatccg 60
atttaaataa aattatgtat aagaaaatat acttgtgatg tacaattaaa aaaatcaaata 120
ttgagcaata tttatttttc ttgatcaaaa gtcaaaaacta ttcattttctt gacgattcca 180
ttgaggttgt aatgagtaga aaggcaatag gcagaagatg ccattcaatc aatatagtaa 240
ggatatctat tggttttacat ggtgcaagta gacatatata atatggattg aaatttttag 300
agcattgaaa tcaaatacat ttacttataa tatataaaaa catatttcaa ttttaatgca 360
tcaaacctta tagat 375

<210> 25253
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25253

tcctttnttt ggcacagaag attgcaggct ataagatatc ttaattgaaa atttgaaaag 60
acaatatgca atgtttgaca acattttttaa gcataatggc cgtttgaaca tataatataa 120
tggttaatgta tctgaatttc tcacatctag ttcaatctta gtggcaactt ttagacaaa 180
ttttttaaag aaatgcccat ggtatacttt gacactttta atttttatta tcaagtaaag 240
ttttatgata ggcttgcaa taaaaaaggc gaagtcattg ttaagtcaaa ttcttcttca 300
tcctctgggt tgctagataa atcaaaagaa ttacatgag taatttcgag ttagtttatg 360
ctgtcagagt tcttaacaga aattttgatc tcttagttga tgcttacact ttggg 415

<210> 25254
<211> 372
<212> DNA

<213> Glycine max

<400> 25254

agctttaaca ttgatagggt ggggtgttgg aattaagggt atgtggtgat catgggatct 60
agggtggtggt agtccatgtg ggggttgaa tatagaagag tagttgtgaa tgatattttg 120
aatttctaag ggtagagtgt gtatagggtga atctagctca agtaagggtt gggaagttta 180
tgttgtgaga gaggggtgtg gttagaaggt gagtagatgg aaggaagcaa tggagttagt 240
ttgtaccaat tggaaaatta gaggataagt agatgggggtg ggggttagagt gtgggttgcc 300
aagcaaggta aatggggcat tctgacaggt aaataaaatg caaggaatag caaatcagt 360
tgtaatgggt ct 372

<210> 25255

<211> 414

<212> DNA

<213> Glycine max

<400> 25255

tgcttgtggg gcttctatgg aggctggatc tttgagcttc aatgggggtcc tttaatggtg 60
attttccacc atggagatgc agcggaagac aaaggaaaag aggtgagagg aggcaccatc 120
cattaaggaa taagccatgg aagaaggagc ttcaccacca agatgagcct tggataagaa 180
gcttggagag gatgcttcaa tggaggaaaa gaaagagga gagaaagagg gaggggggag 240
cacgaaattg aaggaagaaa aaggagaga agttgaactt tgagttgtgt ctcacaagac 300
tctcattcat caaagttaca acaagtgtta cacatgcttc tatttataga ctaggtagct 360
tccttgagaa gctttcttaa gaaaacttcc ttgagaagct tctttgagaa aact 414

<210> 25256

<211> 299

<212> DNA

<213> Glycine max

<400> 25256

ttcttcaatt ctttgggttg gggttgttgc aattttttgc aaactcatcc cgatcataaa 60
tgaattgggt cagaatagggt taattgggtt tgaatattta aaaaatattt ttttaattct 120
ttcttttagaa taataatttg tttttttcac tactagaaaa atactatata acggtgggtt 180

taagacacat tcaaattccaa cgtcgtggaa agtctgggtc cataaaagct gtcttagaaa 240
 aaaactacta ttctaagatg gtgatgcaat catacccctt tccccacagg cattggata 299

<210> 25257
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 25257

tctaattatc aagatcacca gcccacacaa aattactatg cctttaatcc acatctttaa 60
 gaagctttca tggccaagaa taaatgtgga aagaatttat caccatacca ttaatgatcg 120
 agttgatcaa ttgaactttc cccatgaagg aaagaaagga agttttctag gaataaattt 180
 tagatttgat tttgtcctag gaataaatgg tagagtcaag gcttacctac taaaattggg 240
 actccaaggt aggaaaaaga gaggttcccc accttgaaac ccaagaggga ttcaatttcc 300
 aacattatgt aaggagtcac ggaactggaa aatagcaagc atttggtcgg attaataatt 360
 tggtcagaga cattcccata agactgaaag aggtccatca aagaggagag gttccttttt 420
 agtt 424

<210> 25258
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 25258

agtcttcata ttttatcaaa tcaaattctt ataatggatt caaataaaca cgaagcggct 60
 attaatatg caaacaggat tactattaat tgtttaatat ttaaataaac aagaacatt 120
 ttaagtattg aaatattcaa aatctcatgc attattacaa aaatatatta tttcccaacc 180
 acttatcatg gattggaatg ttaaatgacg taactgaatg ggacagaaca acatgaaaaa 240
 atacataaat aagatatact cagatcttcc agtcttaaat aaatcaccta aattcaaata 300
 acacgtggat acttattaaa ttac 325

<210> 25259
 <211> 422
 <212> DNA
 <213> Glycine max

tagtaaagga ggttgaaagt gacctccatc aaattgatct taatactgca atgaacaagt 240
 caaatcgata ccaacatatg ttctatctga tagt 274

<210> 25262
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25262

gcgtnnccctg aaccctagac ttgcngtcac tcgatanacc actgacgcta gcctaattca 60
 cccgatctag ttagacaagg attatattatc gcggaaggtc ttcatactaa atccatatta 120
 actatccaca agggactagt catctgaact tcttatgcac cattcttcta tagaggatgc 180
 cacagcctca tcttttatct ttctgtatac agaagcatgt tgaccgacta gcaaaactca 240
 aacactaact catatgaata catgaataga aagttacgac cacgagagta gcatagtgcg 300
 tgacactcat gatatgaata gatgtcttga gggagcgtta ttgaaattgg atgatccatt 360
 aatttgact ataaagaata gacctcattc tccttcttgc ccctctgaaa cttgtgtttc 420
 cctttatgcc tctacatcca ataatcattg cctaccttca aactggtata catggcn 477

<210> 25263
 <211> 533
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25263

gcacaagacg acgagggcaa gcacacggag gagaggagag ggacagaaaa aanaaaaaag 60
 agggaaattg agtcgatgcc tcgcanaccn aaggagaana cgacncggga ccgggggaac 120
 cncaagagnc gaccagcagg catgcaagtt tatacctaag gagaaaacga gaaaaggag 180
 aaaaggcagc tcncgcgcga ccgccaaagt aaaaccaaga aggcacaaaa agcctgcaac 240
 caccgaccaa agggggcaag gacacccac gcacagaccc agaagaacta gcggaacacg 300
 caagccacag gagagcccaa aaccacgcg ggtggaagga gttcaaaaa aagaagccaa 360
 cgaacaccgg cccaacaggc gacacacaaa ggaaaaggcg tacatgccgg acaaggacac 420
 acaccacatg gcaggacgac aaccagccc ccccgacctt acgaacgcac ccggaaggcc 480

aagcaccgga cggagaccaa cgcgagacga gcaggcacag aagacgccga ccg 533

<210> 25264
<211> 520
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25264

ggcgacgata acgagagaag ataacgcgtg acggaagaga aaaaaagtaa aaaaaaaaaac 60
ggangatgac ccgagacatc gcanncccg ganataaana aaagcacgcg gcaagcaaag 120
anccgcanca acncnacagc gagcctcatc ccgaggccga aaaaaaaaaa ngggngggac 180
agccgacaga ccagccggac acaacaacaa aaaggcgagg aaccgggcac aggacaagca 240
accaacccccg cccgtgaaca ggccaccaga caccacaagc aagccgacga ccagccaacc 300
cgcgaggaac aaaatgcacg cagaaaaaag gacaaaggag gaccaggacc gaaccaacag 360
aaaagccagc tacgacacag acagacagaa cggacgccc accggacgcc agacgccaga 420
gaccgaagaa gaaccacgcc cgacgctcga caccacgcac aaccgaacca caagaaacga 480
acacaagaga aggaccagaa cacggcaacc gacaaggacc 520

<210> 25265
<211> 344
<212> DNA
<213> Glycine max
<400> 25265

agcttctata ggataggcat tctattttac taataacagt atataacagt tcagccaggc 60
tactattcta tccactcttt gcagagtctt catggaccaa agtggctgaa agctgaagtt 120
cttttttggt tagtataggc ttaatttttc agtgcaatct gtcttagtct tactgottac 180
tctgagtatc attattctat ctaattttatc agctacataa atactggcaa acatgaagaa 240
tgaatttctc tgtatacctg tatggtgggc agttactgta tccaagagtg tgtcggggagt 300
ataactagtt gattgcagtc ttattcgtct tggttcaaca acat 344

<210> 25266
<211> 410
<212> DNA

<213> Glycine max

<400> 25266

cacggaaatg gaatccttag atcttcctct gtgcgtgttt aatcttcaca ggatatgttt 60
tccctaggaa gactcacttt catatctaata gatgatacta tttcgtatca tgtgcttggg 120
gtattatctt atatatatgt tcgagttaga atctaataaa catactatct tgattcacgg 180
caagtcttaa tgctcttggg ggataaaata tgagacaact gttattacca gctatgacac 240
tctaactaaa tagggcttat ttacattaac tttcatataa gctccttatt ttataggata 300
ataatatctc aacgtgaagt gctaaaagta gtcaacatgt tactcagtga aaattacctt 360
ctgtattgtc tatttataga agctctcttt taactgctct aacagctgag 410

<210> 25267

<211> 309

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25267

tagtttggag cgctatccgc agactcagca gaagtcagtt gggaaagaaa tcagattatg 60
tgcatgaatc ttacaccagc tgggttattg ataggaccaa gagctttggc ctaccctacc 120
gcttacctag atacctatcg tccaccatcc caccatcatc cttgcctatc ccttttgaca 180
ctaaggaaga gtttcatgaa caattaacca aagaaaggca agataaagaa acttggaaga 240
ggagatgcca ggagctcgag cgagagaatg agactntgaa ggggaagata gcccaacaga 300
gccgtgagc 309

<210> 25268

<211> 415

<212> DNA

<213> Glycine max

<400> 25268

tgttcttgat tttttctaag ttctttaact tgctttttac aatatacttg tccttcattt 60
tactgtcttt gggcttggcg gccacgctca acaaagtatt ttcgacacct actgtacgtt 120
gatttgacca acgctgttat gggaatgttg cgacaatcct tcaaaacctt attgatacat 180
tctgagaggt tgggtgtcat gtggccatat cgacatcctt ctctatcata agtcatcgtc 240

catttttctt ttgaaatgcg atcaatccat gttgctatgg ctggactcag ttcacgaaat 300
tattctagat tttgataata aatgtgcttg caaggagtgt aggctgcata aaattagtta 360
tgaataacaa gtttaagtat atatcaaagt ctaataaacg tgaccatgaa atatg 415

<210> 25269
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25269

agtttgtaac tcttggcaat ttctttaaaa ctagtcactt aaaaagttat gacttttgaa 60
agaatcttca gaaacaagtc acttgaagaa ttgtgacttt tggaaatgta tttttcanaa 120
tcagtcactg gtaatcgatt accattaagg tgtaatcgat tacacatcaa cagatgtgac 180
ttcattttga atcttgaaaa tcttaacat ttaaaacact ggtaatcgat tacatgatta 240
tggttaactga ttacagcttt gtaaatcagt ttgaaaaaaa tgctggctac tggtaatcga 300
ttactacctt ctggtaatcg attaccagag agtaaaacac tttgggtaaa aaatttggtg 360
aaaacttcat gtcctactca atgttt 386

<210> 25270
<211> 415
<212> DNA
<213> Glycine max
<400> 25270

ttgcggattt ggtctaccgc tagtctaaat tatcgaattg ggtctaaaaa gaggcaaadc 60
tgatcatcat gctttgatac atgcaaaaaa aactggggca cgtgaagagg gagagaatga 120
gggagaaacc catgttgtga ctgccattcc tatacaacca agttttccac taaccaaca 180
atgtcattac tcagccaata acaaaccttc tccttaccba ccgcccagtt atccacaaag 240
gccatcccta aatcaaccac aaagtctgtc taccacactt ccaatgacga acaccacctt 300
tagcacaaac caaaaacacc aaccaagata tgaagtttgc agcgagaaag cctgtagaat 360
tcaccctaatt tccagtgtcc tatgtgact tgctccata tttacttgat aattc 415

<210> 25271

<211> 369
 <212> DNA
 <213> Glycine max

<400> 25271

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agcttctccc ctatTTTTct ataaataggg agtgaagtga agaagaaaag gggtcagcct 60
cttatgcact tctctctctc tcgaaattgc tgaggaaaat tatttccgtg aagaaaatcc 120
aagccgaggc gcttccgtaa cgtttccgtg agtaattaca cgaagattct cgaccgttct 180
tcaaagattc atcgttcggt cttctttttc ttcagtcttc aacgggtaag tacctcaaac 240
cgagctttcc aattcaatct atgtactcgt ggtggtccac tttttgttcc atgtattctt 300
attctcgttt tcatttgctt tttataccca cttttgacgt ccttaagcca tttatttaag 360
tcattttctc 369
```

<210> 25272
 <211> 411
 <212> DNA
 <213> Glycine max

<400> 25272

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tgttatccaa ggctcatctt ggtggtgaag ctcttcttc catggcttat tccttaatgg 60
atgacgcctc ctctcacctc ctttcctttg tcttccgtg catctccatg gtggaaaatc 120
accattaaag gacccattg aagctcaaag atccaacctc catagaagcc ccacaagcaa 180
gcttccatca agtggaatc agagcacaag agcttcaagt aggtgctcct taaacctcca 240
ttaatttttt ttctttacct tctgttccat ttttgtttct tcatttttct ccatatatct 300
cctcacatgt cttgttctaa atgttggttaa catgattctt tagagtttcc accgattaaa 360
cttgctatag aagttagatt tgactttcta tgggtcaaaa ttcttggtct t 411
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<210> 25273
 <211> 365
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25273

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agtcttgatt gagttgatgc atcacgtatc aatttcactt taaaagcggg tcctaattgg 60
attcctaatt ttcaacttac ctatatggat gtgacatcat ggcatataag tcccaacttt 120
```

ccatcgtgga ttcagtcaca aaacaaactt caatatgttg gactgtctaa cacggggatt 180
 ttagattcta tccccacttg gttctgggaa ccacactctc aggttttgta tttaaacctc 240
 tctcataatc atatccatgg tgagcatgtg actacattac aaaatccaat atctatccaa 300
 actgttgatc taagcacaaa tcacttatgt ggtagattac cctatcttca natgatgtga 360
 tgact 365

<210> 25274
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 25274

tgtaagattt gcaagatcat cttccttgac aactctttga attagattgc cgtcaatatg 60
 aagagataac aatttagaga gtgatcgaag actttcaa at ggattttcaa tgaatttatt 120
 catagagaga tcgagatata ttaatgatga aagttttcca aatgatctag gaagagcacc 180
 accaattgag ttgttgga aaagtaacgt gtcaatattt ttaa atgccc caatatgatc 240
 tgtcagattg cctgaaagtc gtgaactctg aactgcaagt gttgtgagtc catgggaaat 300
 acaacgagca agaatttcta aaagttcatt aacctgttgg ttgagtttga gatatgataa 360
 atctatcacc cttaagttgc agagagtacc caaagaagtt ggaatcggtc cttcaagatg 420
 attac 425

<210> 25275
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 25275

tcatgatgaa tcaagattga ttcaaagatg ttttgttgat aactaagggtg atgacaaaaa 60
 gctcaaagggt caattcatga taatcaaaga atgagttcaa gatgttcaat attgaatcaa 120
 gaacacttca aggttaaaga ggaaatttga tttcaagaat caagaatcaa gattcaagggt 180
 tcaagcttcc aagaatcaag atcaagattc aagactctag attcaagaat caagagaaga 240
 cttaatcaag ataagtatga aaagggtttt caaaaactga gtagcacatg gatttttttc 300
 aaaacatggt taccaagatt ttttactctc tggtaatcga ttaccagatt attgtaatcg 360

attaccagta gcataatgga tttgaaaaag ttttcaaag aatttacaac gttccaattg 420
 attt 424

<210> 25276
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 25276

agtttcatta tgatgaatca agtatgattc aagtagtttt gatgataaca aagagcccat 60
 aagaatgatg tcgagattga gtcataaagt tcaagatatc aagagaattc aagattcaag 120
 agaagttgat ttcaagattc aagaaaagac atcaagaaga atcatgattc aagagaagat 180
 gaattcaciaa gggaagtatt gaaacggatt tttcaataac caaacatagc atagttttgt 240
 tttacaaaaa gagttttctc aaaattttct aagttaccag agtatgtact ctctggtaat 300
 tgattatcag tttcctgtaa tcgattacca gtgatatagt ttgatttcaa aagcttttac 360
 ttaattgtgc aacgtcccaa agtttttta 389

<210> 25277
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 25277

tgaaggtgtg tagctcacca tcctttcata gtagaatact ggttatgtgt ctactatcat 60
 tgacatcata ttgttttccg tcattgaggt gccacttgag ctgccatgac tctccatgta 120
 tgggcgtatt cttttgaaag attcgtgcc cttttttgca caatgtcatg agttgcatcc 180
 tatccgaagc cattatatcg aactgccta acgaacgcaa ccattaggtc cttccaagag 240
 tggactcaac aaggttccag gttggtgtac catgtaacag ctaccccagt aagattttct 300
 tggaaggaat gcatcaacaa ttcctcatat attgcgtatg ccccatctt ccgataatac 360
 atcttttagat gagtcttggg gcaagtagac cccatgtact tgtca 405

<210> 25278
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25278

atcttccttt tttggtatca gagcacaaga gcttcaagta ggtgctcctt aaacctccat 60
taattttttt tctttacctt ctcttccatt gttgtttctt catttttctc catgtatctc 120
ctcacatgtc ttgttctaaa tgttgtaaac atgattcttt agagtttcca ccgattaaac 180
ttgctataga agttagatgt gattttctat ggttcaaatt tcttggtctt gttcttgaac 240
catgaattgt gttgagtcta cgttcctttg agttctgtct tgttatattt tgtggctgaa 300
acctaaacca tanaattctt acaaaaatat tanagtagaa gataacctca naaatctaga 360
gtgacttggt caccta 376

<210> 25279
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25279

tgcggatcaa gttttaattt taaaaagtgg caattttgtt ataatttatg aaaaatgggt 60
tttattaggg tttaggctta tttttgaggg atttaggctg aagtaaagta tgactgagta 120
atgaaataag tttgatgaag ttgatattgg tttgaaattt ggttttgaag ctttttggtt 180
tgtattgtat aatgcttggt taagatatatt tggctggtgt gaatttatat tttgaagggt 240
tcaatgattg acttatacta tgtattgctt tattacttta attgtatcat gtatgctagt 300
gaataacaaa ttgacaatag gaacacaaac tattaagttg tagcgctagt ttgatgtccc 360
tgctttcttt cattaaccaa tgtctagttt tgctaaaagt ntctcctact tcagtgtttg 420

<210> 25280
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25280

agtttaatgc atgatttatt ataaaatatt acattatcct acaaatttga acaagaagat 60
tttttttatt aaggatttaa attgttttgg catttaaaaa agcatttttt attacaatta 120

taatTTTata tTTTtGgtga ccaaataaaa attgaatttt taaatcTTta taaaaactat 180
 taatgttota tattttgaca attttttatt tttattcatt ttgtatacat atatataaaa 240
 tatttttttg ttttatttta ttgaattata ttcacaacaa tgaccaaaaac aatacccat 300
 gcatggcaca natacaaaaa ctagtaataa taaatttTtg aatctataca cagcttgaga 360
 atcaacatgt ngactctagg aagattttca tgcttcata 399

<210> 25281
 <211> 418
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25281

tgCagagaan actaaaagaa gaagaatgaa aagaatgccA aattatcaat gaatgaaagt 60
 tagcttacaA tgattaaata ttacagttta tatagttagt tacaagatta actaacttgt 120
 agttagttac aagagtaact aacttgtaac taactaactt taactcactc taactaacta 180
 agctaattct aactctagtt acatgataac ttatgctaata agcccccttc aagctaggaa 240
 tgaatgttag acgtgcctag cttggaatac aaaaattgaa aaacaccagg cagcagagct 300
 ttagtgtaaa tatctgcaag ctgatttgca gaggaaatag gaagcaattt cacaagccta 360
 gtcatcacct tctcttgaac tatatggcag tcaatttcaa tgtgttntgt tctctcat 418

<210> 25282
 <211> 297
 <212> DNA
 <213> Glycine max
 <400> 25282

tcatgcttta tgagaaacca tattttctaa ggtagttcct aaacaaaaat caattgagga 60
 agcttcgccA agtatcccca ttgaaaaacc tatattcata cctctcaaag attatattct 120
 tctttcatct attatactgc attcttactt cctatctgtc cagttgatcc tactccgctg 180
 acctctgata tatatatagc tcaaagatta atactgtctc tgggtctcata tataagcaaa 240
 aataattact tcccatagat taagacagtt agttgaaagc atgaaattta ctaatct 297

<210> 25283
 <211> 411

<212> DNA
 <213> Glycine max
 <400> 25283

tgttgccctc aacgtggttaa agaatacatg agtattcttt tccctgttct ggtcaagtta 60
 agatgttagc caaaacttaa tttgtttcca tttgacaaaa tatttaaatt atccttattt 120
 cacttaaaat aaacctcttt actgggtgta ctattttata aacctcaaac atgatgcatt 180
 gttatttgag tatgattgat ccagctgtcg atgtcattgg cactgagcat ctttcgaggt 240
 ttgtctctat ttataaaaag ttgtatgatt gtaacatgtc gttgttcaaa tatcggtatt 300
 gtttcatgtt actagttagt tgcattatga gtgaacctta tttgcccggt cgagattcga 360
 tacatcgatt aatacggata gtttgaatta atcgatgtat tgaatcttga a 411

<210> 25284
 <211> 382
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25284

agcttatgct attccaagtt cattaatcat acctttaagc cagattgctt ccttcactcc 60
 ttcagctaag gccatgtatt ctgcttcagg tgttgaaaga gcaacaattg attattgatt 120
 tgctttccaa ctaattgttg taccacacaa agtaaacaca tatcctctta aggacttcat 180
 tgtgtctaca tttcctgcan aatctgcac tacatagctt gtgattgctg cctcgtgtgc 240
 tgtcttcttg taccttaaac cagctttcaa agatccatgt agatacctta gtgtccactt 300
 cacagcttcc tagtgtgcgc tgccaggatc tcccatgaat ctgcttataa tacttatagc 360
 atgagctaag tcaggtctac tg 382

<210> 25285
 <211> 416
 <212> DNA
 <213> Glycine max
 <400> 25285

tcaattgagc ctcagaagtt ccctgtttct tcacattcag catcacagaa atctcctcat 60
 tcaataacat catctcaatg gctaaagaat gagaccttcc taactccatc tggaggtctt 120

ccactgcttc aatttttagtt tccaaatcag actgacatct attcaggttt tctgtcaact 180
 gttttatctt aaagttccat tcagcttctt tagtctttaa agtagaggca cactctttat 240
 gagtttgctt caaatttctg agcttggacc gcaactttga ctgcgaatat gaagttcctg 300
 ettcttgaat ttgagcttcc tggagttctt tgagggacat ccgcagctct tgattatctt 360
 gctctagctt ctcaatcctg tacttttgatt ctttattata tgccctcttt gtcttt 416

<210> 25286
 <211> 364
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25286

agcttatnga tctcaaacaa ttgctgaaag gctggagcag agatactgta ggtgacttgt 60
 gctttaaggt taagcagctg tagcaaaagt tgaatgaatt ggaagattcc atgtctcacc 120
 aaccttctga ccagcaagtc cttcagttga agaataattca ggctgagcta tgggaaaagg 180
 ctaagttgca ggaatccttt gttaggcaga aatctaaatg gattaaggag ggagatagca 240
 atagctccta tttccataaa attatcaatt tcagtaggag aagaaacacc ttgagggggc 300
 tgatgatgga tggacttgn gtagaatacc ctgatttgat taacgatgaa gttctacagc 360
 attt 364

<210> 25287
 <211> 416
 <212> DNA
 <213> Glycine max
 <400> 25287

tccatcatct agtgtcaagg gaaattgtct tgtgttttgg agattgttcg gtgtcgaggg 60
 tggtaacctc gactagtgtg agagttgcag gtttgtgagg catgtcaagc tccccagct 120
 tggaccagtg ttgtttaggc ttcttctatc aagttgtctg ggggtggacaa gcttttgatc 180
 ttgcaagcaa aattagacgt gtcaggtgga tgatgtcctt atatatgacg attctgcctt 240
 tttctgatcg ttggaggatg cattgaagac aatgtttca ttttgtcttt tgctacaggg 300
 gagtgcaaca cacacgtatt actcttgcac atgtgtcact catggagtgg gcgtgtactg 360
 aagattcaat acgtgggtga gtggagttgc atcatggttt aaaaaattaa ggcacc 416

<210> 25288
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 25288

tcaagtttaa acattcaact togagcgtct cgatatatta cgagtctcaa tcaaacaatcc 60
 gagaaaaaag ttattgtctt ttgaatttgc tcagacgttc aacattcaat ttcgatcgtc 120
 tcggttatatt acaggactca atcagacatt cgagtaaaaa gttattgtcg tttgaattgg 180
 cttagagctt caacattcaa tttcgagcgt ctcgatatat gatgggactc aatcagacat 240
 ccgtgtaaaa agttattggg cggtgaattg gctcagagct tcaacattca atttcgagcg 300
 tctcgatata tgacaggact caatcagaca tccgagtaaa acgttattgt cgtttgaatt 360
 tcctcagagc ttcaacattc aattttgagc gtctcgta 398

<210> 25289
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25289

ntgagccaat tgaacaaca ataacatttt attgtttgtc tgattgaggc ccgnagtata 60
 tcgaaacgct cgaaattgaa tgctgaagct ctgagccgat tcaaacgaca atatcttttt 120
 acacggatgt ctgattgagg cctgtaatat atcgagacgc tcgaaattga atgttgaacc 180
 tttgagcgaa ttcaaacgac aataactttt tactcggatg tctgattgag tcatgtcata 240
 tatcgagacg ctcgaaattg aatgttgaag ctctgagcca attcaaacga caataacggt 300
 ttactcagat gtctcattga gtctgaaat ttaatgagac gctcgaaatt gaatgttgaa 360
 cctctgatct aattcatacg acaatatact tttacacgga tg 402

<210> 25290
 <211> 354
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25290

agcttaccag agccatccaa tgatcatgga ctacatcaat ctggtggcgc caacaatttg 60
 ttaatttgtg gggcaagagt actatagaag atcagttgca tcttaagacc accgaactct 120
 aataaacccc aagacaatga tcatgggggt gaggtgcaag tctctcttga tatatacctt 180
 atattatgat acaacaattg atttgaatga agaagattct taatgtggac attggcacat 240
 cagtgcgggt tactttttgc ccaatgttta ttttcaataa gccccatcan gaagatactg 300
 aaaattttta tactgctttg gtgcattata tatggatgta aaatcatgct gttg 354

<210> 25291
 <211> 466
 <212> DNA
 <213> Glycine max

<400> 25291

cggaacatga cccgtaacct gcgacctga tgaactgtaa cactcttcaa tactgctgcc 60
 ctactcatgg gtcagagcac atttttatct ctaatctttg catctgcgaa ggtttaagcg 120
 tgccctcaca ataaatgtgt gaccgattca ccaaacgatg gagttgttcc aacttgacgt 180
 caagaatcac cattctactg cttgaagtag tactatctcc tcaaacagga tgcgatgaaa 240
 tgctagtaga gaagatacaa ctgtcgggtga cattggcgct gtacatgtct cacggaatgt 300
 cacagtgatc acgagttgat agttggatcg tgagatccaa aacttaccct gtcgctgaac 360
 catcctacaa agctccgata tgagtgaatc tgcgttgccg gcaccacatg cgcacactca 420
 acataacacg agctcgataa atcctcgaac tattgttgaa tgtccc 466

<210> 25292
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25292

gcggganntg ttcgtgcatg canaacttga tgccttgana gcccggaat aaactcgcac 60
 gcgcgaaccc ctgagtttat ctgaagcacg caagtttttt gagcggttgc gcgccagaga 120
 gcgagacttc cattcggcat gtactcacia accaagagct agatgtgttt actgttgaac 180
 aacaccataa tctcacaata ttttagtagc gaatctttcc caatgatgga acctcagctt 240

caaaactcgc ctttcataat caacagatgt atgtcccatc ttagcagctc tcacgatttc 300
gtaactggaa ccagctcgcc attactcage gtcaactttg aaaccgttcc agatgctcca 360
ccccctagta catcagtcctc actcagcaact ttaataattc aacactactt aaaaccagct 420
ctatgaagcg accttcacta tgaaagtgc acccctcttt atcatccg 468

<210> 25293
<211> 402
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25293

tacaaaaata tcctcccagc atttagatgt acactttttt gtgggaagaa gcaacaaggt 60
acctgctgta tgatgatagt tttatatgta aaaaaatggt gaggcataga caatttagtt 120
atattatggt caataactaa tattatatga cgtgatttta acttttctca ggtaatcaag 180
ttgattatgt attgattggt aaattagaat gattaaatct ttgacatgaa ccaaagcaac 240
atcattgggt actctcgtac atgacaaaag aaatatgcat atgtttgatt tctaaagctt 300
tgtacgcatg caactttaa tttgagtttc atgaataatg ttgaatttgc tatctgatac 360
acaggctata tacgtangtg atagaggggag cctttgttac ct 402

<210> 25294
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25294

agcttgtatg attatggggt acccatcaca tgtggtacta ggtggcgatc gggcgatggt 60
gcacaacaat tctccacatc cacaatcac gtataaaacc accatcccct gttgccacc 120
tccaactgag ctacgtact cccacgtagc ccttatectc gntcctctta acgcccgggtc 180
cccatcaatc ctccaagct tccacaacat ccaggcaatt caacatccaa atcatcacan 240
actaacaac caagcaaat agggcaaagg cagaaaactc tgcccanaac tcanaccana 300
atcacangct tttctcactt aaagattcag taacatttcc ttctttcaat acgtaacc 358

<210> 25295

<211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25295

ntgcggtattt ggtcttcgcc agtgaaagga tcgatgtgga tctgaaaaga ggcaaattta 60
 atcatcctgc ttagacgaat gagaaaactg gggcaaataa agagggtgag gatgaggaggag 120
 aaacccatgc tgtgactgcc attcctatac ggccaagttt cccaccaaac ccaacaatgt 180
 cattactcag tcaataacaa accacctoct taccaccac ccagttatcc acaaaggcca 240
 tccctaaatc aaccacaaag cctgtctacc gcacttacaa tgacgaagac caccttttagc 300
 acaaaccaaa gaaacaccaa caaaaaggaa ttttgcagca aaaagcctgt aggggttcacc 360
 ccagattccg ttgtcatatg ctaaacttga tcccatatcc actcaataat tcaatggtag 420
 ccat 424

<210> 25296
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25296

agtttttata tacattacgc anaaggtaat ggtttctttc ttttcatttt aagacttcaa 60
 gctgtgatat tttcaattct atggtaatat gtgtgataaa caaacagata gtagacatat 120
 gcaatgtcga acaaataaac aattcagaat tgatcactaa atctacagtt aaaaaataat 180
 ggcaaatata atgttcattt accattttatt aaatagaatt tgccatccaa cgaacaagag 240
 tgtataaaga agaaaactga taaattatgt aacctttttg aaatgtgaac actcagcttc 300
 aatacaagag 310

<210> 25297
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 25297

tatatgtttt aggagaatta tgccaaaagg aatgagttct catttcaaaa aggtcgattt 60

gttaataaaa acgagagaat aaataggcaa gattactatt ctcaccacgg aggattttta 120
gataaaaaaa attgtgaccc atctaaagag aaacaaaata gaaaatcttc aagaagtgga 180
tgtaataagg ctatcttgac aatcaaattg aagaaattct ttgagatttt tccaaaagaa 240
tggcaagttg ttttaatttat atttgactac aatcatgaat tgttgacctc agagtaagtg 300
cgcttccttg catcttattg gaacatTTTT gaggaagatg agaagcaaat cttgttatta 360
aaagatgttg acctttcagt taagcaaata atgtgtgtta tggagcttga gaaaaatgtg 420
atgca 425

<210> 25298
<211> 381
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25298

agtttttagat atttataggc ctcttttatt taagtatctg ttgtctctaa atagacacat 60
ttgttctctt taagctcacg cctgaagaaa atgggtgttg gaggcattaa atgcacgtac 120
ttcttcatgc tgagaaacca ctctntattg ttgggtgtgtt gaacacttta acaggaaacc 180
acttcctttt gtgttaaagt aggtctatgc agtagagctc ttcttttgat ggtgattgag 240
gaatttcaga gcttgacttc atttattctt cataggattc tatagatcct aagagaatgt 300
ctttgcanaa caaatctcag acacaatatt aaatgaaata ttatatgcaa ctttaatgtc 360
gtatcagatc atgattccat c 381

<210> 25299
<211> 423
<212> DNA
<213> Glycine max
<400> 25299

tcacaggcaa gcttccatca gttcttcaact taaactcttg catgagtcac gacttgtata 60
ggagacatgt ttttttcttt tcatttcttt cattattttt cttctttcgt cttctcttat 120
attctctctt tcattcttgac ttatttcttc cacttttttc tctttttctt ttctctcttg 180
tttttttttc acaatttaag ggatcttaaa tcatttaatc tcctatacaa ggggtactta 240
ggagtagaac cctcaccatt aacactagat gaagaatgaa gactcatgtt gggttcctaag 300

tcggtggttcc atcttgttgg gggtttgaaa acaaaaggta aaagaaacta tcattgaaaa 360
 tagccaaaat aaacactaca agagggtgtga aagataagggt aaaaactaat tggtaaaaaa 420
 cac 423

<210> 25300
 <211> 321
 <212> DNA
 <213> Glycine max

<400> 25300

agctttaatt tgctctgaat ccgcgatgtt gtgcctagtgt ccaccctcgc gcttagcgcg 60
 agtaagtgga tttaggttag gcgccagttg tgcgctgagc ctggcaagag acaaacgtct 120
 cgcttagcaa gctaactctg tgcttagcgt gcaaccttga tccttgtgct cttccagatt 180
 cccttgtcac gctaagcgcg ctgaaccac aagggtccgct tagcgcgact gcttctttta 240
 gcacttcaag attttagcct cttttgacct gaaattgaac aaatttctca ttaaatcaaa 300
 tggaaatatc ctagagacag t 321

<210> 25301
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25301

tgtgtgttga gttggtttta tacttttgaa agacttattt tatttgcgaa caaagagtca 60
 ctttaaggcgt cggaccttga aatgatttaa attttgaaaa gctgagagaa ttgttaaggc 120
 gttggacctt ggaacgatct caagtgatat ttgataaact gaagaagttt gggtgtgaat 180
 tgattttatac ttgatttttt ttattaactc tcaatctctt tggagacaac tttacaacac 240
 tagtgatcgg ttaagattaa attttacaaa gaaaacgaga tcaccgatga tagatggaga 300
 agatgaatgt gcacataata ataagagggg cccctaaggg tacatagatc acattcaatc 360
 cctanaaata aaagtaattg actagtgtga agaaccacga acaagaaacg acatggagac 420
 gatc 424

<210> 25302

<211> 405
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25302

 agcttagatt caatctaaaa gggcatctct ctaaattggc ttcaacacga agtgagcttg 60
 ataatctaaa gcaagaaaat gaaaaactcg tttcaagtta taaagccact aattgtgttt 120
 gagtttctac atcttctaata atggatgatt acaaatcctt gcaagatgag tttgaaaagt 180
 ttaaaaaata tcactatgaa gaacatatga agttgcaaac tgagctttcc tatcttgaag 240
 atctgttttag aaaatgaata aaggaaagag taatcttaata cacttactta gtgtgcaaaa 300
 gcatacaatt gataagactg ctttgtggta taacaagcaa actgacattt ctaagagaac 360
 caagtttgta ccccttataa aggtgaaccc anacaaagtc tccaa 405

<210> 25303
 <211> 422
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25303

 ntcaacccaaa ataaaaacta taaactgaaa tttatatctt gattcataag cataaatcta 60
 aattataaaa tgtactaaat ataataataat aataaaaacta ttcaaaaagt agggaaataa 120
 aaatcctgat cctatcaatg atcctgtgca gagtccatgg catgttcatt cagggtccagt 180
 gtagtagtgc ctgatggtga atcctgagaa agaggtatgt ctggcactgg tgcaaattggc 240
 tcaatctgag gagatgatag gtccaacgct aaagtggtag gctctgggtgg aggctatgga 300
 gtcacctatg gtgtaactgt tgcaacatcc tcttgtggaa tggctggact agtctcaaca 360
 atgaaaggct ccgatggaat gggctctgag gcctctagaa tgacatcctc ctgggtccggc 420
 tg 422

<210> 25304
 <211> 348
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25304

ttcttttttta ttcaagacaa agatattgga gatggacgat caagacagnt actagagtct 60
tagaaagagt atattaatat aggaagggaa ttcctattga agcagctaaa ggtttggccc 120
agagatttaa gttaaaaagt ctttttacia gagatctact ctctgggtgat cgattaccag 180
aggatgtaat cgattaccag tggccaaaac tgatttacia cagctattaa aatttgaatt 240
caaaatttgc attgtgtgat cgattacaca tatatggtaa tgcattacca ccagttattg 300
aacgttttaa ttcaaatgtt aaagcttgta atcgattaca catatact 348

<210> 25305
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25305

ttataagcgc gggttcggga gacaaagggt atgcgttcgc gatatgcgaa gatgatattc 60
cgagtacttt ggatttggtg cgaccatgcc ctctgattt ccagctggga aattggcgag 120
tggaggaacg ccccggcatt tacgcaacaa gcataatgta aacctttacg gttntaaaag 180
ctctatagtt gggcctatgc tttagagttt tttcttttgt taaggctttg tgtcttttgt 240
ttttgaactt ataatacaag gatctctctt catctgttcc tggctctctac ccattctcat 300
tcatttgcac gtatacttct ttttctgaaa cggcagatcc gatgacgagt cccccgaagg 360
tactaatacc tgtgaccgct ctatcgactt cgagcaagaa atgaatc 407

<210> 25306
<211> 395
<212> DNA
<213> Glycine max

<400> 25306

tctagcttga atgtaggaga agattatatg aggagaatga gagatagaac acgaagtttt 60
gtgcctcaaa agaggtctaa acattgaagt gtaattctca aataataaaa gttgaaaaaa 120
tgcacacaca tggcctctat ttatagccta agtgtcacia acaattggag ggaaatatga 180
atttctattc aaatttcact tgaatttgaa attgaatttg tggagccaaa ttctggagcc 240
aaaatttcag taattattat tagtgaattc tagttatggg tcagcccact aatccaagat 300

caagtccaag attctgcact aagtgtgctt aggtgtcatg aggcattgtaa agcatgaagg 360
 acatgcacaa agtgtgacta tatgatgtgg caatg 395

<210> 25307
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25307

tgaaccataa ccggtgaaag tgtgatcttt aactgttagt gaacgactag ctntgagtaa 60
 tgggtctttgc atcaatctct gaaatttaga atgaaatgta tgaatgagga catgatgaag 120
 gctatgattg tgtatataca agccagttga ccaaaaagct tacgttgaat gctaattgta 180
 tcctttgcac cctatgtgag ctaaattaca ttttcaaaat tgaaccctga acttaaatga 240
 ttatctccag ataccttggt tagattctag gagagcagat agttcaagga aaattacccc 300
 aaatttgagg gatttgattg ggatgtaaag taaaaggtaa agcattagca cacataacaa 360
 atagggtgtg ttaaaaaaaaa ggagaaaaag aaaagaaatc gaagaaaatg tgtattgttg 420

<210> 25308
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25308

ttagttttca tgcacatgga atttatctac aaatcttctg aagtcaattt ttagcaactcc 60
 ccaaaattct ttaatgaaat tgaagttgaa tccatcaggt ccaggacatt tgtccccacc 120
 acaactccac actgcttctt tgatcttatg atccgagaaa ggagcaatca attcctccct 180
 ctgccttttg ttaattgaag agaattgtac tccatcaagg gtgggtctga aaagctgttg 240
 ttcagtgaat ctgttgagaa aaaaaattca cagcttcatt cttaacttca ttgaggttct 300
 aaatccttac accatgaatg agaatccttt gaagaccata taatgtctct tggaattata 360
 agttatggaa taagct 376

<210> 25309
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 25309

tgtagtagtc atatatatat atatatatat atatatatat ataatacaaca 60
tatacaattc tgaatccatt attgaatata aggcaactac cacaaacctg ccaactaggg 120
gtttgacggg ttttgcaaatt tcgacccatg ttgttgatc aagaccatac ttcaccgtag 180
gatcagatat ttttctgacc ttcattgtca gcatagacaa atttagaagt caatgacgac 240
ttaaattgcc tctatctaac tgcgactggt gacatcacct tcttttttgc atcctcacgt 300
tcagggatgt caaatttgca ctgcacaaca aaagggtgta tgtaacagta agtaaagat 360
tcctttaaaa ctaacttaaa aacaaaatca taagcatgcg tgtatttata accattta 418

<210> 25310

<211> 320

<212> DNA

<213> Glycine max

<400> 25310

atcttgagat gaggaagtgt tttatggtga aacttcctgc ttttattggt gaccacagag 60
tggtacctgg agatatgtcg cggggggtcag gagacctggt ggacgtcacg tgaggtgcta 120
ttgccccaaa ccaagcttga ccaatcccaa cccaaccggg gcatagtctg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aattcaagac 240
ctacaagcat ggaggttgt ggtggctggc cagctgtgaa ttttgtgaat atgtggattg 300
aggcctctgg taatcgatta 320

<210> 25311

<211> 393

<212> DNA

<213> Glycine max

<400> 25311

tatcataatc gattgcaactg ttgtttttta tacgatgatc gatttattca tgagtctgtg 60
cctaaattga ttaccatgtg atatattcga ctacttctat ttctataagt gatttgagaa 120
gcatcaaga acactttaat ggactacatt gaggacctaa tccattacat tgtgcttgag 180
aggcttacag gttttgggat gaacacttta atcgattgat aacataatat aatggactac 240
ttgattgaaa gcatcgatta cattgaatat ttagtcgagt ataggcagcc gtaaatggtg 300

tatctataaa tagtcacctt gtgatgtcac ttataagtac aagtccatta agcgtgaaac 360
tatatgtgct gagataattg agagaataga aga 393

<210> 25312
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25312

agcttggttat ccgagtagac tactccgaga atgggtggcat tgactacccc agttgaaatg 60
ttgacactgt tacctaattg attcacattc agcgggaagcc ttgcagggtc tttaccagcc 120
actgtctgca caggggttgc taaggaatcg aagtttgagc tcgacacaaa ctctggcaat 180
atgtggaact gcactaattc gattttctgg ccttcgttta aggagttgag gaagcctgct 240
ttgaggttgg aaaaggcaga atcatctggt gcaaggatgg ttatgccgcc actcttggtc 300
gttatgagct gtgagttgat gttgttcatg atttctgtgg ttntgaggag gcggattang 360
actgagaaca ttnnttgcct ttccaggatt ct 392

<210> 25313
<211> 425
<212> DNA
<213> Glycine max

<400> 25313

tgacactatg aaactcagct ttttaattgct tttgagttat gttgatgctg tgcaactgtat 60
gtttttgttaa ttaaaattct ctaggtgttg aatttgcttt tctgtggtgg aattttactca 120
ggaaaataac ctattgtaca ttttctcctt ttctttcatc tctatctcaa tgtttccctta 180
aatctttatt aggtggagtt tggctattaa acttcatttt gtttccaaga cacaaccccg 240
tgcaaataat tatctgcatt gatgtttaaa accaaatttt caatgtggct ttcttccctga 300
atgacttaag ttaaccatat tcctttctga atttttcaga aacaacccag tgcagagtgt 360
ggagagaaca tttcaactga ctagagctga caaggacttg gtatcaaaac cagaatttga 420
tgttg 425

<210> 25314

<211> 270
 <212> DNA
 <213> Glycine max
 <400> 25314
 agttctatca taaccatata ttatataaat tacattgtga ctattgaaaa ggagaaaaaac 60
 agagggccta aggtgatggg ctaaccacc acaccgttat gcttaaatga atgtttatca 120
 aacgaagaga acatagacta tatcttggtg gtgggttaag cataactatg ggtataagtt 180
 gtggtcgtga tagactataa agtatgacac ttcttatcat ttattcaaaa acaccatatt 240
 acttacgaca gtggctgcgt gtatacatat 270

<210> 25315
 <211> 281
 <212> DNA
 <213> Glycine max
 <400> 25315
 tctatgactc aacgcggaca attccgcctc tcaattctcc cgattcgcct gcgagtgcaa 60
 ctcgttcact ctccataacc ccaccagaat cttcaccgtg ttggcgtgca tcatcgccgt 120
 gcgcccctcg gtgcacacgg cgaggccgca tagaatcagc agcaccgcga tcgccaaatt 180
 ccccgccacc accatctaga ggagcgtggg gacagccccg agtttaacca attgcaatct 240
 gttgctctgc acaagtgaca tatgatacaa cgcgagcgt g 281

<210> 25316
 <211> 173
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25316
 gatgcggtat tttctcctta cgcctctgtg cggtatttca caccgcatat ggtgcactct 60
 cagtacaatc tgctctgatg ccgcatagtt aagccagccc cgacaccgcg caacaccgcg 120
 tgacgcgaac cccttgcggt cgnattgaat ataactttat ataatgaatg cct 173

<210> 25317
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25317

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agcttggtgg agttcgctga gaatcggtga aggtttgggt agggttacga gcctacacag 60
gtggacaaga agaggggtcgc ctttgaaagg aaggagagaa gcctggccca tctacaaggg 120
caaggactac aagtggaaag ggtccccatt tgtcacatca gcaaaagctt tgttggtgca 180
agatggatgc gctaggatca ggtggcggtg atagatgaag aaacccctca agaccgacca 240
aattgggtgc aaccatgtcc tacggacttt gaattnggga attggcaatc gttgaacgac 300
ccgagattcc atgacaaatt caatgtaatc caatagttcc acccta 346
```

<210> 25318
 <211> 431
 <212> DNA
 <213> Glycine max
 <400> 25318

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acagcttgtg caaatcaagt cactcccgca ttttatctct atcatgcatt gtatgttggt 60
ctcgtccttt gtcacgggaa gccggaaggt ccatatcacc ttcttaattg tacacatggg 120
gcactgcacc cccaaatgcy caagtaagaa gagataattt ttcgggctct cgtgtccgta 180
aaatgcattc atatcatgca tcgcataagc atctcttcat aacatcataa tggacatatc 240
ctgcatttgt ccgttatcat attccggcct cacattttgc atgagtcatg gcatcatcat 300
gcatatgcgt tcaacaaact ttttgatctg caaaattgca taccatttgt tttcatgttt 360
gctcatcctt gcgttttctt ctacaaaaca aaaacaaaaa agggggaagc gtgaaacttc 420
acactacatt c 431
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<210> 25319
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25319

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agtttgaagt cacttgctaa tacagggtccc actcccatat gtccccatac aaaacaatat 60
ttatttttac ttgttcgctt ttgataatcc tatgatgtta tacaaactgt ctgattgtgt 120
agcttgtcaa tatggcaaac aaattagatt atcatnttcc caaacaagga ggagagcaac 180
```

acanaaattg cagttagtag atacagatgt atgtcggagg acctcataga acaacatctt 240
tgaatggtaa tagatattat attacattta ttgatgatta ttctagaatt tgttagaatt 300
aattatttaa atccaagact gangtagtta acatattctg gaaatataaa gca 353

<210> 25320
<211> 423
<212> DNA
<213> Glycine max

<400> 25320

gctcaaagtg gaagtctgga agcatgagca tttttccatt tgccttggat cacgtgacca 60
ccttggattt ctttacgtaa aatattgcat gtgctgtctt gcaacccgta cactatgtaa 120
taaagttata agacttcaat ccaaagcctt accttgcttg tttgcatacc ctgcaaagat 180
agagcgtaac ttggatctca agctatgcta tgctcccagg gtaacaagtg tcagcccaat 240
gtaaccatct acttatttat gggattccaa cgtgtattgc gaacaaatac aattgtcatt 300
aatcattagc ctaaagttca tgctatttct aagatctcga aaggatatct cctcgggtatt 360
cggattcttt ggatgtattt ttcttagatt actcatttat ataataacac attcataata 420
cct 423

<210> 25321
<211> 311
<212> DNA
<213> Glycine max

<400> 25321

agcttgataa caagtgaaaa tgtctgtata atttgtgcca tactgctgat gaaaaccctt 60
agccaccaac ttggctttgt acttggttaac aatgccatca gagttttctt tcacctaata 120
caccacttg caaccaatgg aagttttggt aggaggtata ggaactagac tccatgtttt 180
gttttaaatc aaggcatcat attcagtttg catagcagcc aaccaagtag ggtagccaa 240
ggcttgcttg gtggatttag gttctaaatg ggtagaata agggtaacgt gaatcttgtg 300
ttgaacaata c 311

<210> 25322
<211> 426

<212> DNA
<213> Glycine max

<400> 25322

ttgaaatcat aacttcttgt attccacacc atcatgacca tcatagtggg agacaaatta 60
attaatttcc tcttaccact gcaatcatcc cgcaccaat ttaacataaa gtgattcaca 120
gctatctatt aggatgaaaa acagtgaata atttctcttt tccaaatggt ctttctatgt 180
attatgtttc accgtaaaat tcaataatga atataattaa cagattaaat ttatataaaa 240
gaacttaact ttaattatcg cagaatatat ttctaaaaaa tgataaattt taagtgtgca 300
agttattaaa gttgttgta atgaaaaaaa tttaaaatta aagaagccca aatccctttt 360
ttttattttt ctgataaaaa tctaataaat tgtggtactt tgggtgatgg atcttggacc 420
acaatt 426

<210> 25323
<211> 187
<212> DNA
<213> Glycine max

<400> 25323

ttcctgtttc gggatttatt gctctactca tcgtgtgcag actttgacac cgcgtatggt 60
gctcactcat tacaatgtca tatgactccg catcgtagc gaggcctcgg tccactggat 120
aaccatgatc gcgaaacgtt ttaaatagga ttcttttatc ggaatttctc cacaatcttt 180
acggttc 187

<210> 25324
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25324

attcttgatg tagagaagtt atggattata ccattctttt tatagaatga tctaaactca 60
gcatttttaa acttagttcc atggttgctc cgaatagaag agatgtaaaa acctttttca 120
ttttggacta ttttatagaa tattttcaaag accttaaaag actcattctt atgagcaagg 180
aagtataccc aggtatatct tgaatagtca tcaattatga caaagccata cttttttcct 240

cctagactca atgttctagt tagtccaaat agatccatgt gcaatagatg tataggtctg 300
gaagtggaaa caacatcttt agatttaaaa gaggttntga tttggttgcc ttgctgacat 360
gcttcacaga gaatatgagt tttccaacag atc 393

<210> 25325
<211> 246
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25325

ntatgactat gcaagcacac ggtaggatca gtttatatat ttttcaaaat catttttacc 60
tttcattttc ttttatatca tgcaattgga gtagttatca ttatgtatgt ttatccacca 120
agttttgtca tggatcggt cttcaaattc tcatttagtt gtggagaaag ccttagaaac 180
aaaaggaaaa ttaggagact gaaaaaaaaa taggaggtga taaagttagg acaaaaaata 240
gtgttt 246

<210> 25326
<211> 181
<212> DNA
<213> Glycine max
<400> 25326

gaagttttct caaagaagct totcaaggaa gcctcctaata ctataaatag aagcatgtgt 60
aacacttggt ttaactttga tgaatgagag tcttggtgaga cacaactcaa agtttaactt 120
ctctccccct tttcctcctt caattttgtg ctccccctc tctatttctt ttccctccatt 180
g 181

<210> 25327
<211> 416
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25327

tgagatgagn ttgtgagtga ttgtgagatc tctagatgtg aaggatacat cctcaccact 60
tgtatttttg caatctttca tcttggttctt ctctttattg taaagaaggc ttccctagtat 120

ggaaagctaa atcctctgtt ggatcttccc ttaggtacc tgatgtaa atatttctat 180
 ctatttaatg atgttttgtg tgttctctgt gctatctgct tttcactcca gtatgccttt 240
 accttgatca aatagatgca tgctttgtta ggatcattca acagtggaaa ctgggtctgac 300
 tctaaagtcc ttgagagtac agggctaagt tgctgtacta tcacgaagaa tcgggggtgcg 360
 ataatttagt tgtgtatgtg tgtcttaatg ccggcctggt tgagtttagt cttaca 416

<210> 25328
 <211> 320
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25328

tcaagtcttc ttgagaagat tcctaaagaa gctagagctt agctacacac accgccctaa 60
 gaactaagct gacctccgtg agatgagaag ctcaagctta caaaagaagt gcctacaacg 120
 aagactactc agaatgccct gaaatacaag gctaaaatcc tatactacta gaatggccaa 180
 aacacaaggc ccaaagaag gaaaaaccta ttctgatatt tacaaaaaag agtggatcca 240
 accttgacct atggggtcaa aaatctacct taaagttcat gagaacccta nggcattctt 300
 tagtagctct agcccaatcc 320

<210> 25329
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 25329

tgcccagaga aggagtccac ggaggaaatg cttacttcct cataagactg gaaaaaggtc 60
 tctaatgact cctctacggc ttcgacataa ggcatagagg atgggcagct caccaagatg 120
 tctcctcgc ctgatacgat aaccagatgc cttccacta cgaatttcaa cttttggtgg 180
 agtggtgagg gaacaactcc tactgagtgg atccacgggc gcccacacag acagctgtag 240
 ggggggtta atccattatt tggaaagtaa cttgacaggt gtgagggcct atctgtattg 300
 ggagatcgat ctctccccta acctctcggc ggggtccgct gaaggtgcga accaccattg 360
 aactcggtt taagtgggaa gcgttgaatg gtaatttctc cagagtgctg ttaggcat 418

<210> 25330
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25330

ctcgacccgg gatcctctta gtcacctgca gcattttatc ttctagaata atggcctctt 60
 tctaacttct tattcccaga aggaaattca atacataggc ctctattttt taatggagaa 120
 ggttaccact actggaaaac ccgaatgcaa attgttattg aggcaataga cttaaacatt 180
 tgggaagcca tataagtttag accttatgta cccaccatgg tggctggaaa tacaacaata 240
 gagaaaccta tacaagagtg gtatgaacat gacagaagat tagtgcagta caatttatag 300
 gctaaaaaca tcattacttc tgccctanga atggatggat atcttacggg ttcaaattgt 360
 agagtgctaa aatatgtggg aactctaca agttacacat gacggaacaa ctgatgtc 418

<210> 25331
 <211> 419
 <212> DNA
 <213> Glycine max

<400> 25331

tcaagaaaaa gatggcctca gcaaattcct tatttctctg aaggttaatt ctatcaatag 60
 acctccaatc tttaatggag agggttacca ctactggaaa acccgaatgc aaatttttat 120
 cgaggcaata gatctaaata tctgggaagc catagaaata gggccttata taccacacac 180
 agtagaaaga gtttcaatag atggtagttc atcatgtgaa agcataacca tagaaaaacc 240
 tagagataga tggctctgaag agggtagaaa acgagtacaa tacaacttaa aagccaaaaa 300
 cataataaca tctgccctag gaatggatga atatttcaag gtttcaaatt gtaagagtgc 360
 taatgaaatg tgggacactc ttcgataaca catgaaggaa ctacagatgt taaaagatc 419

<210> 25332
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25332

tctatttttg gagtggatcat gggtttaagc cctcangtta gctagtgcac aatgcaaatt 60

accaattacc gaatggagtc tcaccctgtg ttcggatcta ctgaaagtgc atatatgaaa 120
 atgaaagagc tatgaaaaga gatgaaagta tcttttcttt gatgtttggt tgccccgaaa 180
 tagagatgaa agtctttata aatatatata tttctcgtaa aattgatata tatcaaattt 240
 tgattcacag ttagatttgg ataaactaca ttttacaacc tgttggatct tttaggatta 300
 aaattactat atactatata taaattatca caacatagag aaaactgata ctaactataa 360
 aagaatgtca cattataaaa aaatgccaaa att 393

<210> 25333
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 25333

taaatgcaat tttgatctct gtttaccttt ccttatgtta taggagagca ttatggttta 60
 agaaaaattt gtcccaaatt tgggggagta tgtttgggtg atcttggttg cgggaaaaga 120
 aagtagcagc cacacagaga gccatataat aactagtagc agtaatcata aactgctaaa 180
 ataaaaaaat aataaagata aaagaaaaaa gagaagaaga gaatttcaag aataagtgaa 240
 gctctgtgtg ctgttaattg tgttgtaact tcattgcgct tttggcatat caatagaaac 300
 tgggaattaa agaggaaggt gatctaagga tgaatgctct cctagaacct aagttttgca 360
 tcctagaaaa accatcaatt gttttagacc cagcctcatt acaag 405

<210> 25334
 <211> 339
 <212> DNA
 <213> Glycine max

<400> 25334

agcttgtgcc tcttcacgtc tggaatatga atagcatata gatccaaaga cccttaggtg 60
 ctttgctgat ggcttcttcc cgttccaagc ttcaatagga gtcttgtctt ttacagactt 120
 agttggacat ctgttgagta tgtaaacagc aatgtagact acttcagccc aaaatgtggt 180
 aggtagtccc ttctccttga gcatcgatct agccatttcc ataactgtgc gaatttttct 240
 ctacagacact ccatttttgtt gatgagaata tgcgactgta agttttcgct caatgccttc 300
 atcctcaciaa aaactttcaa acttgcgaga ggtgtactc 339

<210> 25335
 <211> 199
 <212> DNA
 <213> Glycine max

<400> 25335

gggacttgct tatatatgac aaaatgacta ctatcgtggc gagctacatg ctctggttga 60
 tcctccctgg gagtaccoga tgatggtata catctatcta tatgatgatg tgatggctgg 120
 tctctgggct atctgctttt cgctccacat gcgctctcct tgatcaatat aggcgagctt 180
 tgttggtctt ttcagcaga 199

<210> 25336
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25336

cgccaagacg aagcaacaca cggaacggac ccaaggacct aaccgtnaca acaagcagan 60
 nataggtcat tgcngcana cnttctaacc ctggaaaccc aggganaaaa accgccccgg 120
 gaccacaagc gaccgcagca gcaagcttgg acaccacacc agagagccga gagacaagga 180
 gacgaccca cagacaccta cccacacgaa ggccaaggc aagaacccaa acgaaggga 240
 ggtaaaccga gcacacaacc ccgggcgaag caagaatggc ggatgaacca cgcggaaga 300
 cgaacaacgc gccaacgcg acccaggga cgccacaag ccatcgacgc acaaggaag 360
 agccggcgcc cagcgaacac acgcaccaag cgaataggac aaggcccgca gaacgcacca 420
 aggcataaac gaacaaaaca ggaaccaaga tccaccaaag gaaaagacac accgcaacag 480
 cgggcgcgga aaaaaaaggc aaaaaaccc 509

<210> 25337
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 25337

tcaacaagcg agaacacgga gggtattatt ttctgtgtga gacgagacag aacgtggtga 60

atcgatctat aagataacta caaccgcat aatccttttg ccacagaatg atgaccact 120
aattcgggtgt aaactgggta ccagtaggtg atagataaga cttaaccttt tgatattttc 180
gatccaagaa agaacctttg gaatccgacg aatagtaaca tcaaaagaaa ccttatttgc 240
tgcgtgccta ttagatacgt ctaccgtact cgcctcagtt tctcctatac gcgaattatc 300
ataaggagta agactgaacc taaatctcta gtcgtacaca cg 342

<210> 25338
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25338

atcttatgat antttgtaat gtttccttac taattacggg gatttgattt tttttggatt 60
aattactttt ataataaact caccctcgc aatttttgta ccgtgtggct ggtacctgtg 120
atgatcgtga acccttggtc gcgggagtat aatgacaata gtattggatg agaagtgaaa 180
attctttgtg gagccgccga gtcgacgtga tgacgttgaa attattttgt gagagagtcg 240
tgtcttggtta atcaactcct ccataactgg ctccataatt cttattgttg attogaagat 300
gtaaatacaca cattgtatta tatgtatgaa caaatttatt ttccattatg ttaatgatgt 360
gtactacggt actatatata t 381

<210> 25339
<211> 296
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25339

tgagagcaat tnctaatact cttctaattt gtatactctt ctatggattt aggcaactaa 60
atcactgctt tatttgtatt cttaatcttt atcattcgaa gagaattata ttctatcatt 120
tgaagaggtc agtttgaagt tcattagtgc tggtaaacag atactctctt catgttgatg 180
atctttaaat aagaattata ctcttcatgt tgcactcttt tgctcgact ctactctatt 240
tcattcttct gttgaatcta aaacttatgt tcacgacatt tatccaataa acgcat 296

<210> 25340

<211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25340

ttcttgcatt ggaagcatat tttagaaaag acagagcaag ctattcttac aggcgggcaa 60
 taggacccaa ccctcaatac acgagtggca acagttctat ccctagaatg catgttacag 120
 gaaccttcgt gtagctctta gagcacaagg tagctcgggc tatgacaaga catccgagta 180
 gaggcgggga aagccccctc atatatatct gacagctgcc gtgctctggc gtcaggctct 240
 ctctctgcct acagggagtg tgatatgctc tagataacca actatcgctt tcttgcacca 300
 cgaaaaggtc actgcttaaa tatgcaaaca ctctgtaccc gatacactga tgacaaaacc 360
 gatggaagaa tgaaagtcct agccgcccgg cctagccn 398

<210> 25341
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 25341

ttatcttctc aaggaagttc tctcaaagaa gctacttttg gattttggct caagaaagct 60
 tatgagggaa gctacctagt ctataaatag atacatgtgt aacacttggt gcaactttga 120
 tgaatgagag tcttgtgaaa cacaactctt agttcaactt ctctcccttt ttcttctctc 180
 aatttcgtgc tccccctct ctctttcact ccctctttct tttcctccat tgaagcatcc 240
 tgtccaagct tcttattcaa cgcacatctt ggtggtgaag ctcttctctc catggcttat 300
 tt 302

<210> 25342
 <211> 252
 <212> DNA
 <213> Glycine max

<400> 25342

taccatcacg aacatcgact ccctttccat cattggggag accacctgtg cgcccatatc 60
 cctccacctt ttgggcgtga tctttgatag ataccgcccc cttttagcat agttctgtag 120
 tagcatacta tccggaacca tatcaaaatt gtactgatac tgcctaacaa atgccaccaa 180

tagagacctt ccaagaatgg attacggaag attccacgtt agagcacaag taacagctac 240
 cccaatagac ta 252

<210> 25343
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 25343

ctataacact cagcttaaca tctaccactt ccaggtgctg gaactacttt tcattttacct 60
 gtcttggccc atgcaagttg aaagccttgg tggattaaag catgcctatg ttgttgagga 120
 tgattttctcc atattttacct ggggtcaactt tttcagagag acatcagaca ccttagaagt 180
 attcacagag ttgagtctat cacttcaaag agataaagac tgagtgatca atagaattac 240
 gagtgaccat ggctgagagt ttgaaaacag caagtttact agattctgca catctgaggg 300
 catcactcat gagttttctg cagtcattac accactacaa aacggcataa ttgtaaggat 360
 atacacgact ttgcaagatg ctgctatggg catg 394

<210> 25344
 <211> 334
 <212> DNA
 <213> Glycine max
 <400> 25344

agtttgtttt ttttacacaa taacctata gataattcat ggctactaga taaacgggta 60
 cttacaattt gataagatga taatgacatt atcattaaag ttcatatata ttaatagctt 120
 atcagtccaa tgacctatat gctaagcaag tcgtgtttgc attcctatat caaggcta 180
 gaggaagggt gatgtgtata ttttaacgcc acgtcagttt atggaccca gacagtacaa 240
 attcgaaaaa taatcattgt aagtaaacca aatgtcttat aagatactgc ttttaaaagt 300
 cacattttgt tctctaataca actttaattt tata 334

<210> 25345
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 25345

tcttagttnt agctgatgaa aatgaattcc tggcttcttc attcactcct ctaatgacaa 60

tagcatcatt tttggcgcta cattgctggg agttggaagc catcatctca attaaattcc 120

tggcttcaac aggggtcatg tctccaaagg ctccaccact ggcaacatca atcatacttc 180

tccccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggg 240

ggtgagggca actgacgcgt agttntttta atctctccca atattcatat aggcctcttc 300

cactgagttg cctaatgcct ggaatatcct ctttgatggg cgtggctcctg gaagcagggg 360

aaatgttttc taaagaatac tctcttgagg tcacctctggc tcgtgatgga ccttgaggca 420

ag 422

<210> 25346

<211> 359

<212> DNA

<213> Glycine max

<400> 25346

atcttttttt gttgccaac tgctattact aatataagag gcccatgatt tacgaagagg 60

gcaacaattc agatggcaag aaagatcggt tttatagaaa ataaatgagt ttggcggcgt 120

ctaagctcaa ggacttgcct tagtttttct cttcatcaaa tcctttgatt cccatagcta 180

tgagtaacta attccatgct tggtgggttt ggtgtaatta gactaccttc atctaattgc 240

tgctttttat attcaataaa gcatttgtat tgttcttctt tgtgcctatt gcctctgatt 300

gatcacctaa ttactcgatt catttgtgtc aattgtattt ggaaaaatct atttgatct 359

<210> 25347

<211> 421

<212> DNA

<213> Glycine max

<400> 25347

tataggaagt gaaagaatta gcatgggcag aaatgtttcc gctttgattg gtaaactctgt 60

tccccaatc cctgaataat gtaaagatcc aagtacatta agcatacctt gtattatagg 120

aaacagtaag tttgacaatg ccattgctaga tttatgagct tctgtagtg ttatgcctca 180

gtctatTTTT aattctctat ctcttggtcc tttgcagtca actgatgtgg taattcattt 240

agctaataaga agtgttgcoct atcctgctgg tttcatagag gatgtcttag ttagagttgg 300
tgaactgatt ttccttggtg atttttatat attgaatatg gaggagggat tctctcaagg 360
atcagttccc atcattctag gcagacctt tatgaaaact gctagaacta agatagatgt 420
a 421

<210> 25348
<211> 434
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25348

cgtgaatgat cctgtacntc gaattcttga natatccacg ctatgcttgc ggattgtctt 60
cccgacaaat tttgattttg tncctaaaga ggcaaaggct attctttctt gcttggacaa 120
actgaaaaaa ctgtggttna atataagggg gataatgatg gacacacca tgctgtgact 180
tgtcttccta tacacgacaa tttctctaca tcttattcac catcattact caaccataa 240
tattcatctt tatattccac agtcatttct cctaaatgtc atccttatat ctcagcatac 300
ctacttcac aattaatgct aaaccactt tatccaacct aactcctaca aaaatgattt 360
tgctgaaat cctgttgata cccaattcg gtgcatact acttgaccat atctatgggtg 420
cctatcctct gtag 434

<210> 25349
<211> 477
<212> DNA
<213> Glycine max
<400> 25349

tggacattga ttgatgcag acaatcattg agaccctgtg acgccaccg gtgttcctct 60
aaagctcagc ccgcaggctt tctatttttc agcgcacgaa cgattgttct taaccagaag 120
aatgcaagaa ggaggcgac aactggggag ctccccgga aaggtcctgt ctttcttaca 180
gccgaacgat catccataat aagccttact ataagttcac ctacctaaa acagggatcc 240
atattattat ctctttcaca aatgaacacc tgtacttccc acgtggaaaa caatgctcca 300
tacctgcatt gcgtgacctc agacatcttg aatgaatat tcaccgatgc atgcgaatca 360
agagcatgca catttcatga cctaacttta acaacggggg gttaccatca caataccaca 420

atctggaacc aaatatttaa taacctacct tctctgctac caattatcta aataacg 477

<210> 25350
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25350

tatactctct tcatgaatgg agcacattat accacttttg tgctacaagn ggcgccccaa 60
gactatctat atacgagggg tggcgcgatc gacatatata gcataactcaa caacacacta 120
tattttctct ccagtatata aacattttct atacctcttc tatgaatcga cacactatca 180
atggcagccc ttaattatga actcatctat aacacaatct caataactaaa catggcgtaa 240
tgcaactgaga tagatgttta ttcaaataat gcatgatcat tggaagataa cgagcagact 300
catatataca ctggttaaaa catgccctga gcctacgtac aatacccgcg caaccacgt 360
gagatatgca cctatctgta aaatcgcttt acgtcttgta aaccgcacaa ggacatccct 420
tactttgtgt tcatatcact ttaaaacaag catatcacta cttctcttac taten 475

<210> 25351
<211> 173
<212> DNA
<213> Glycine max

<400> 25351

ggcaaaacaa caccacaatg gattatgatc gatggatgcg ctcaaaattc tcacaaaagg 60
gtaaactcat cactgtcaag atggagctct caaaactatc atgacatgta gagaagaatc 120
aaggagctca agtcacaaaa tgtcaagaac ctgtattttc aaaacaataa ccc 173

<210> 25352
<211> 250
<212> DNA
<213> Glycine max

<400> 25352

agattcatgg atcagattta tgcattatct cttcctgtac cttctaagcc attgtccaca 60
aagctatccc aatgtatatt attttaccat ttaaaagccc ttttagccaa aactctgac 120

attctgtctg aacactaact ctaggataag agatttcaac cataccttat gttacgagaa 180
tgaatgtgct ttgatgggga tcgctatcat ttggtggata atgagattcc catactctgc 240
tcctaaacgt 250

<210> 25353
<211> 216
<212> DNA
<213> Glycine max

<400> 25353
ctgatgcaga ctcagagcac tgacatataa agctgcacga aaacgaaaac cgtgacactc 60
tatggacttt cgaacggtca caaaatatca cacagagggt ccaaaacagc gctttatata 120
ttcatactct tgaaaacgga cactgggcca tcttcacata tctaaatgc catgacttta 180
tatggagagg atatacccac gggaagacga attact 216

<210> 25354
<211> 359
<212> DNA
<213> Glycine max

<400> 25354
tctattttct aaacctatgt atctctgcat aagctggtcc tcttgacacac tccagagctc 60
tgttctcaaa ataagcactg tgggtgtgtgt ggaattgtaa gacctgtgcc ttgataccga 120
aattcttcac aaaataggct ttaaataaggc tctgaagttg caacattggt cttatagcgc 180
ccctctcgct gagcatgggt aagcgcaatt gggcttagcg ccagtaatgc gctgagacta 240
tatgaataca cctgctgtgc ataacgcact gatatcgcg tgagagtgtc atcctgatga 300
agatgcgctg cacttatttt ctatctagct aagcacactg aagctgcgct tgcggtgg 359

<210> 25355
<211> 277
<212> DNA
<213> Glycine max

<400> 25355
aagttttgga tttttcatgc caaactcgct cgagtgtggt ttggattgga tgatgcgtat 60
attctatccc cttaccatag cgcttttggc ataatcctgg tgatcactag tatgagcttg 120

aagaaggaaa aatacactca tcgctacttc tgtttatctt gtgctgaatg gagaagagac 180
agcttcgatt tgttctttta agagaaatga tgatgaggta taacgcttat gttgacaagc 240
ttaattgaca ccatggatga ctaataccca acccatg 277

<210> 25356
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25356

tggcntattc ggtcgtggaa tgcannaann ttgatagctt tgactaccca cggcgaataa 60
gagctcgggtg cccgcggatc ctcttttttt gttctgaagg cacgcaagct tagtttcaag 120
cggaagaaaa gaaaagcgaa gctgaacgat atgatgacga cagcttctaa ataacgaaac 180
gaatcgaaag tcgtaagact acaaacttac cagttgtaga acgacgaacg gtgaacaacg 240
actgacaccc ttatcggata tgctcccaga aacgtattag aaactcacag actaggactc 300
tcttcattgga aacaattatc tccacccatg acgatgatat gcaatacaaa ggagtcgggt 360
atataagaac aatcctcctg cccctatatc taggataaaa ggcgatgact cttgatgcac 420
caagcaaggc gctctggaag gaaatctata cgcaggctgt tttttatata gggacggac 479

<210> 25357
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25357

agttttcaac aagtttcttc acaaataact atcatgaagc agaaaactag caagactacc 60
catcatatct tccaaaaccc catacccacg aaatttaaga gagaaagaag tccacccaaa 120
cctgaatttt cgaagtccca ctcgtagcca cgcacttcac gaccccgaaa atgccctcct 180
ttcgcgattt ggggcagaaa tgatggccaa aggttgaagc tttgcttgga gcttcaatgg 240
agaatgaaga agaagaaaat ggcaacgtga gggagagaga gagctgtctg anaaagtgtg 300
gggctgagtg aagagagagn aaagctnntt ggggttttaa taaagggggt tctct 355

<210> 25358

<211> 409
 <212> DNA
 <213> Glycine max

<400> 25358

taatatatcg agacgatcaa aattgaacat cggattctct cgtgaaatta aaatgggtcat 60
 aagttttaac tcggatgtcc gattcaggag cttcacatat cgagatgcac gaaattgaac 120
 aatggaagct ctagagaaat tctaattggc ataaattttc acacggagggt cctattcagg 180
 cgcttaatat atccagacgc tcgaaattga acaatggaag ctctcgagat attcaaattg 240
 tcataacttt tcaactcggat gtccgattca ggtgtatcac atatccagac gcttggaatt 300
 gattagcgga agctctagag aaattcaaatt ggtcataact gttcacacgg aggtcctatt 360
 caagcgctta atatatcgag acgctcgaaa ttgaacaacg gaagctctc 409

<210> 25359
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25359

agttttcttg agaaaacttc cttgagtagc ttctttgaga aaacttcctt gagaagctag 60
 agcttagcta cacacacccc tctcataact aagctcacct ccttgagaag catccttaag 120
 aagattcgta aagaagctag agcttagcta cacatacctc tctaatagct aagctcacct 180
 ccttgagatg agaagctaga gcttagctac acaccccta taatagctaa gctcaccccc 240
 atgacaaaaa acatgaaaat aaaaaaagt ccttattaca aagacaactc anaatgcccc 300
 gaaatacaag gctaaaaccc tatactacta gaatggccaa aataaaaaggc cttgacgaag 360
 ganaaaccta ttcgaatggc cataattttt cacacg 396

<210> 25360
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 25360

tgcatttgga attgcgaaag cccactcca tcattttgat tagtacctga catctcaaac 60
 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120

tgtatcacac aattatggct tttctctaata gaaacactct tgccttttac cactctaatt 180
 ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga caaggaaaag gttaaccaag aaaaaggcta acaatgtttt 300
 taggcacaaa tgaaggaaat aaaattcaga atttaggaat tcaagtaaca atccttcatg 360
 caaccaatat attaccttaa agagtttttt ttttaagttc ttcaagcatg aaccattcag 420
 cccaatt 427

<210> 25361
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25361

agtcttagta taaaagcagt gctcaccacc ctcagattta agtccttgaa catacctggt 60
 tagttcaagt aaaattgccc acagtcatat ttaattatac aggaaactta tcattacaat 120
 ataacaacat gccttattgg caagctaaat agtacaaact acaaacaat aatcatgata 180
 atgattgcat gacattagca aaaggaacaa atcatagagg gcaaagagaa gaagactaga 240
 caaggtcacc accaatgcta tcctagttgc aaatgttcta cgattattca atgaaattna 300
 aagctttgag gtctcattan ttttaataaa ttcacattca caacattgat attatatggt 360
 ggaagtaaca gtgaattaaa gaaaaaatac tatcatatga t 401

<210> 25362
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25362

tgtgtcatgc gatttatata catgaaattg attagtctaa attattattc gaccggtaaa 60
 atatcataaa cattgaaaac atggcccaga aagtcacctc catgaaaagt ttaaagaatt 120
 taactaattc ctataactaa tatattttta gagtaaatta aatcataaat ctgcaaatta 180
 aaataaaaaa ctcaaaaaaa gaaaacaact attaaaaaaa tacaataaat aaatatagaa 240
 ttaaaaaaat aaattcataa aacaaaaaaa tggcacattg agaaattggt ttgtgacata 300

ttgtgtagca aaaaaaatta aagctggaca gtgagaaatc ggattanggg caccggattt 360
tcattggcaa taatgatttg tatcactttt gatagataat ttggaacttg tattatttgt 420
gtaacttt 428

<210> 25363
<211> 269
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25363

atttctatct tgagctngcc gtatttttta taattattgt agagaaaata actatcatta 60
tcataatata aactcaagta tcctgccaaa tttcaaaacc ctgtccacac tgggacctta 120
attctgctct ttattgcgta tgcattgatta ttattcgctc taaacttgga tgcttgcat 180
cataatgta tgcataatatt ggtcgacttg atgcaatttt tattaacggt tggacaacac 240
tatcgtaact gaccattac atccctatt 269

<210> 25364
<211> 420
<212> DNA
<213> Glycine max
<400> 25364

gcttaatggc ttaatgagga tggagaggag cacgtaatgt agcctttggt gttggatatt 60
accattggag ggtacaatga ttaagtccta tgtgatgttg atgctatgga ggccagccac 120
ttactcttgg ggagaccatg gccttttgat aagagggcta gtcatgatgg tttcaccaga 180
aagatctctt tcgctgtctca tggcttaaag atcgtgctca aactattgag tccccaaagaa 240
gtgtgcgagg atcatagaaa attgagagag aaaattcttc tcgagaagac cgataatgga 300
aaagagagtc aaacacttga gagttcatat agtgaggaca caaagaggga aacacatgag 360
agaatattga tgagtgaaac acttgaagtg agggagaatt tctagttaca aaaggagagc 420

<210> 25365
<211> 292
<212> DNA
<213> Glycine max

<400> 25365

ttctccattt tattttcgtg atttgtaaga tgggattttc ctaccatacg aaaatgtact 60

caactatgac acttttgctgt agaatacctg aagatgaaat tccaaacttg gataagattc 120

ttccggtact tggtttctac ataacggttt tttggtatat gttagtgcaa tagttatttg 180

aaatttaaga ggttttaact ttttttgcct tatctgcaat tttatgaagc ctaagattta 240

aaacaccata attgcatttt tagcaattta accaactact ttttagttag ga 292

<210> 25366

<211> 378

<212> DNA

<213> Glycine max

<400> 25366

gacaaaacat cttaccagct tttttacttt ttatggcata gtacaacata gcgtgcacgt 60

gaagaaatct tatattacaa atattcacc c aagattgttg caatagtatg atctgaacct 120

ttacgttcaa catgatgaaa gctcttataa accaacccca cacgcattta aaaggccaaa 180

agcagtagcc tcctcacatt aacctgttct gctgaataag atatcagtca cattcaaaag 240

cgacaagggg tcaactcattt cacaaactta tagggtaagg gaattaaaac tctagaggct 300

gcattagaaa tcatcacaag aatttagccc aatgcacttg cgtagtattg caattcacca 360

tccatcgtat catgaaca 378

<210> 25367

<211> 400

<212> DNA

<213> Glycine max

<400> 25367

agttttgttg ttggggcagt ttcaggtgaa tcagaaaatg gagatgatac ggacataggg 60

ttggatcttt agcggtagac ctagtggaat cagcgagggt cagtggagaa ggttgacgat 120

tcctttgatg aaagctccct gaatgattta ttatggaaat ttgtgcattc tgattcagtg 180

attctataga aattgcaaaa atagaaattt gttttgatcg gtacatattg ttagaagacg 240

agcaaaatat ttttaaggag ggaatggtgt atgatagatt acgatacctt ttgttagttt 300

acggattatt atgtcatgca ccattctacc cctagttctt agatattcta aaacatatta 360

tgttgacatg ttgagattta cgtcatcttt cgcgctttca agatctgtca tactgactgt 60
 tgagtctcgc cgacggccga aaataccga gtggttatcc gtataaactt tttgttgtct 120
 ataagacgaa aagcctgata gcacgcagag actaacgtcg tcttctgcgc ccttcgtcaa 180
 tcgcgccga caagcccggtt gacacgtgga gatttacgtt atcttccgcg ctcacaagat 240
 ctgtcatact gacttttgag tcacgctgac gggcgaaaat acccgagtgg gtatccgtat 300
 aaactttttg ctgtctgtaa aacgaaaagc ctgatagaac gtagagacta acgtcgtctt 360
 ttgcggcctc cgtcaatcgc ggccgacaag cccgttgaca cgcagagatt tacg 414

<210> 25371
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 25371
 tttatTTTTT taactgcaaa agtttttgct cagacgctaa tcttaaaaga ttgccagaac 60
 ctaataataa ttatgagcag cgtatgaaaa aatgagagat actgcgacgt gaatattatc 120
 tgacacgaca ttgggggtaa cttaaattatt gaatagttgc tgggtgataag atcagttgac 180
 acaagaaaat tggagaacta attatggatc tgtgctcaac ctcgaggcca tttataacta 240
 tgcagatgcc aagacacata atttgacaaa ttatcacaac attgat 286

<210> 25372
 <211> 302
 <212> DNA
 <213> Glycine max

<400> 25372
 gaaatgggag cgcctaatta tcatgcctag acacatgcta aatgaagat ttggcaattt 60
 tatgctgaac tggacatgca tgcacctaag cggacactcc agtgacaaga atataaggtc 120
 atgtgatgct agggctcacg atctattacc ttcattttca atccacccaa tgtataccga 180
 agatgttctt ttcatacaat gtgcggtgaa ccgagatcat ctagggcgca cgggcatata 240
 tcacaggaat cgaccccatg gtgatgacac caettgttca tattccacta tcggatcatga 300
 tc 302

<210> 25373

<211> 362
 <212> DNA
 <213> Glycine max

<400> 25373

agcttgaagc actctggcctt ttctattcaa agcttgatgc ttctacttgt gatgaaaaga 60
 ttactaacat agaagagaag atgtacaagc tctttgatga atatgccatt gaaaagtcaa 120
 gtccatctat tgcacacgt tctcaacaac ctactggcta agaagatttc agtctagaag 180
 aaaatctaga gatggatgat ccatacaatg gtagcctttt gtttaactat tgaattgttc 240
 tatgattcaa tccatttgat gtaatgtgtc tcatatattg tcatatgaac atatcagtta 300
 tgtgagcgca aatgctaata tgcgatggcat ctctgaatta cagctctatt cggtcgagac 360
 ac 362

<210> 25374
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 25374

ttgatgatat ggtcttcacc gatgaaaggt tcaaagtggg tcttaaaaga ggacaatctg 60
 atcatcatgc tttgataaat gccacaaaaa aacaactatg gcaaatgaag agggtgagaa 120
 tgagggagaa acccatgctt tgactgccat tactatacac ggcaagtatt accaccagcc 180
 caacaatgtg attactcagc caataacaca ccttctcctt accaccgcc caattattca 240
 caaaggatcat ccctaaatca accacagagt ctgtctaccg tacttccaat gacgaacatc 300
 acctttagca caattcaatt acaccaacca cgaaatgaat ttttcagcga gagagcctat 360
 tgaatttacc ccaattacag tgtcctatgc tgacttgctc ccttatctac ttgataatgc 420
 a 421

<210> 25375
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25375

agcttatagc acaagcaaca taaaacttca aagataccac attcacatgc accaccttca 60

cctttttact ccaaacaacg aataaaacgg tgtcaaaatt aaaacctagc atttatcatc 120
tatcatccca tgataaactc attgcactgc acgtgctatt gatataatgt ctctccttcc 180
tcattntttc cacacatccc caccaaaata taaataacaa tttcctttnt tttcggcagt 240
tacattttca ttacgtttcc tttccttgaa cctactctgt aatgtaatca ctagtgtagt 300
ataattaatt aataatgata nataaatata tcaaacaagc tgcactcaac tgaatttatg 360
aatattccta atctaataat ctgg 384

<210> 25376
<211> 409
<212> DNA
<213> Glycine max

<400> 25376

tctttcgtct aaatgcgact taacaattgt gatttttttg gaagctgatg attgtcctat 60
actggtacct tctaaacttt tataagatgt tccatgagca tcaacctgct gctcgctatt 120
catgtgctcc acttgagaag ctgcttcttc tacaatttca ccccttgctt tttcaacaga 180
atcagttact gatggatgag ctagagtgcc aacaccatta aagtctctaa tctgggacga 240
actatcattg gtagcgggca atgtaagagg ttgttgaaca gccgaggctg catctttatt 300
taactcacat ctaatttcta ttgttataga agatccaagg actgattcaa atgcttgcaa 360
gatatgacct ctgaacttct cggcagtaga tatgggtcaat tgagaacta 409

<210> 25377
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25377

agtcttgaga tgaggaagtg ttgaagggtg aaacttctctg cttttattgt tgaccacaga 60
gtggtacctg gagatatgtc gcgggggtca ggagaccttg tggacgtcag gtgggggtgct 120
attgccccaa accaagcttg accaatccccg acccaaccgg ggcatagtcg gtcagtgaga 180
acatgtgacg tacctaagca ggcgagctcc tggcagtcaa cagataaaag gaaaacaaga 240
ccacagagca aggaggcttg tgggtggctgg ccagctgtga antttgtgta atatgtggat 300

tgtggcctct ggtaatcgat taccaagggt gggtaatcga ttacaaggct taaaattga 359

<210> 25378
<211> 417
<212> DNA
<213> Glycine max

<400> 25378

cagctttag aatggctaga catgatacat gtcagggctt gttttggttc aagggtaaaa 60
gggatgcccc acattatttc catgacacaa atgcaaaaat gatgatttgg aaattttatg 120
caaaactggg catgcatgca cctatgcgga cactcaagtg tcaaattttt atgggtcatgt 180
gatgctaggg cttaggattt atttcctcta ttttaaatca acccaatgtt tccaaaatat 240
gttcttttat caatttgtgc attcattcga gtccatttcg ggcgtccggg gaaatttcac 300
agcattcacc cttcaggtgt agacacgttt tttttctctt caaaaatcgg tcatgatcaa 360
tgaatttttt tttcgaagaa gagttggaaa tcattctctt tcaaaagcat gtcgggt 417

<210> 25379
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25379

agctttcttt caagtcctaa atgacatttc aagctagtat taactcactt taacctccat 60
ttaccacaga attcagactt agccttccaa ccctcacagc ctacctcttt gtccactcat 120
aacatcacat tctcactgtc taaccctagt gagntctacc cttcatctct aacagttttc 180
catgagcaat ttccgcatat aaacatcaca aacatcatca caaaaaccct aaaacagaat 240
gggtatgttt aactcatcca acatggcaat ttcaacaagc tntcaacaag agtcttcaca 300
aataatcatc atgaagcaga aaactaacia aactacgcat catatctccc agaaccocat 360
acgcacgata tttaagagag aaagaagtca cccaaacct 399

<210> 25380
<211> 404
<212> DNA
<213> Glycine max

<400> 25380

ctcacaaaat atatatagtg tatgctgtat gttagtttaa ataccttaca tgtgcgtgta 60
 tgtggacaaa ataaacactt cacaaaatat atatatgtat gtttaggtag aaagatacct 120
 taaatatgca tgtatgtaaa caaaaaata cttcacaaaa catatatatg tatgtttagg 180
 tggcaagata ccttgगतat gcatgtatat agcaaaaaata cctcacaaaa atatgcacat 240
 gtatatgtag cataatacct catgaaaaaa taagaataaa acaacaggcg cgataaagat 300
 ataaacagat gataatgatt. ataaaaaaga aggagaaaaa agaaaaata agttgtcaag 360
 ctgaaaaacc aacatgcgtt tgaaaagaga tgaacttcaa cttt 404

<210> 25381
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 25381
 agtttgatgt tattgaagtg tataaggggtg aaacttcctg cttttatttg atgaccacag 60
 agtggtagct ggagatatgt ctcggggggtc acgatacctt ggggacgtca ggtgggggtgc 120
 tattagccaa aacctagctt gaccaatgcc gaccctaccc gggcatagtc agtcagttag 180
 aacctgtgat gtacctatac aggcgagctt ctggcagtcg gcagattata ggaacacaga 240
 ccacacagca ttgaggcttg tgtggtgggt ggccagctgt gaatcttctg tgatatatgg 300
 gttatggcct ctggtaatcg attaccaagg gggtaatcga ttac 344

<210> 25382
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25382

ctcagctntt gagaatttaa aggtatgggt taatttttta tgtacaattt gtgcatagat 60
 aggtttttaa tttatgtggt tcgagatttt ttttgtacaa ttattttata taggtgtggt 120
 tgtagattac ataccgagaa ttggagaagt ctttttttcc cgttaaagtt ttttattctt 180
 ttttccatcc tgagtgtgtg tgtgattggt atctgggttg ctatttttga gtgaggttga 240
 ttatttgggt tgaggagtag attattttct ctatttttgt agtttccctt agtatttga 300

aaaacttatac ctttttgcaa ctgggcatct ctgaattttg tagaatgtga aggtagtgtc 360
 ttgaaacgta ttgagcttca aagggttaatt aggattttacg agtatagaaa gttactccac 420
 tgttc 425

<210> 25383
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 25383

agtttgcttt tcattcttga ttgttttcta tcattcttca tcttgtttgc tatecgtatt 60
 attttctacc acttttacga gctttcaatt gtttatttaa accgttatct ggtttaataa 120
 ttgataaaac gaatttcaac cgatcattag tgttgtaatc tcgtttaatc actgttaaaa 180
 cataatccaa ccagttgttc gtgctgtaac ctcggttaaa taaaaaaagg caaaataata 240
 ataaaataat caaaatatct ctgaaaaaat aatagttaaa ttatcaagaa aatcgatcgg 300
 acattttact ttcaaagttt acttcacatg agttgataat aaccca 346

<210> 25384
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 25384

tgctctcacc tcattttctt cgtgaccgga tgctactaca aggaggagga tcaccaatgc 60
 aagaccgtga atgcgcgcac ctatgcagcc actcataaag tccctacata cgggcatgtg 120
 acacaacggc taatgattca taacgactgt atgcaattaa cgcaccgtta tgaataacctg 180
 ttgatataac atatgtggga atcattccta ctattattg gcgaccgcag aataacttgca 240
 acgcttgctt ctttaggatc acaaccgtca tggaatcgga 280

<210> 25385
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25385

agctttgtta ttctctgtt ttagctntac ccgattttac tcaaccattt gaagttgaat 60

gtgatgctag tggagttggc attggggctg ttttgatata aaacaaaagg cctatagctt 120
 atttctcgga gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct 180
 atgccattgt gagagctctt gatcattgga atcattatct gcgttctaata cactttatat 240
 tgcattcaga tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc 300
 atgctaaatg ggttgaattt cttcaatctt ttaattttctc tttcaaatac aaggatg 357

<210> 25386
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25386

ctgagcaaata tcaaacgaca ataacctttt tactctttat gtcggattga gtcccgatat 60
 atatccagac gctcgaaatt gaatgttgaa gctctgagca aattcaaacg acaataacct 120
 ttttactcag atgtcggata gaggcccgta atatattgag acgctcgaaa tggaataaccg 180
 aagctctgag caaattcaaa cgacaataac ttttactcgc gatgttcgat tgagtcaccg 240
 aatatatcga aacgctcgaa attgaatgtt gaagctctga gcaaattcaa acgacaataa 300
 atttttactc ggatgtccga ttgagtctcg taatatatcg agaagctcga aatggaaaac 360
 caaagctctg agcaaattca aacgacaata actgtttact cggatgtctg attgagcccc 420
 ata 423

<210> 25387
 <211> 210
 <212> DNA
 <213> Glycine max

<400> 25387

agctctgacc cgggatgcgt agagttaact gcaggctgcg gttttattgt gtaatctcga 60
 gcagttctac ataaaaggcg cctgaacaga cccctagag aagagacacg accatctgaa 120
 gtgctcacga gcttcatttg ctcaatttgg agcgtaccga tatatgatgc gccatagttc 180
 gacctgggaa cgaaaattga tgaccatacg 210

<210> 25388
 <211> 415

<212> DNA
<213> Glycine max

<400> 25388

tactcaagct tcatgagaga gtcaaagatc aaattgagag gaaaattata atctatgctt 60
aacaagccaa caaagggaga atgatggttg tcttogaacc cggagattgg gtttgggtgc 120
acatgagaaa agaaaggttt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg 180
gaccatttca agtgcttgaa agaataaatg acaatgctta caaagttgag ctgcccgggtg 240
agtataatgt tagttccacc ttcaatgtct ctgatttata tctttttgat gcagatggag 300
aatccgattt gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga 360
gcaagggcaa ggatccactt gaaggacttg gaggacctat tgatgacgac atgac 415

<210> 25389
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25389

agcttgtagc cacatcgntc tcttgtatga tatccactcc acaaagtttg aagtagagga 60
gagctccaac cctataacgc aacgtggcaa acaaaagtgg gcagttaact tgaatgggtca 120
tcattgtcaa tgcggaaggt attcagcgct tcactatcca tgttcacaca ttattgcagc 180
tggtgggttac gtgagcatga actactacca atatatagat gttgttatac aaacgagcac 240
atcttaaaaag cttactccgc acaatggttg cctcttgga atgaagcggc tattcctcct 300
tctgatgacg catggacact tatctctgac ccaactacaa ttcgttcgaa aggtcgacca 360
caatcaacat ggataagata tgaga 385

<210> 25390
<211> 410
<212> DNA
<213> Glycine max

<400> 25390

tattgaggaa gcctcttaat gaagcttctt aaggattcta catgaagctg cctcggtaaa 60
aacgcttcac agcctttgtt aaccgttgga tcttctcgaa atttggtttg cagctttaca 120

agatacatgt ccacaatctg accgttggga tctcagagaa gatgtctgga gtatgctcga 180
agcttccatt cccgagagca tttcttattc aagcatttca gcctttgctt tcgtgtagct 240
tagaaaaaac gcaatttctt ctcttttctt tcttccaaag ccattttctaa tgtcccaatc 300
acttttctcca tcaccataa ccaccattag ccaccacaaa ccacgttgt tctccattga 360
aaccacacac tgagaggaac ccttcaaccg aagcggaatc atccaacttg 410

<210> 25391
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25391

agtttcagta aaaatcttcg tgctttgcc tcatgacatg tcttagattg actcctactt 60
ttagccatag acttaggttt ggaaaatcta ttagttgct tccctgttga ggctaagcag 120
ttcatctgag tgagtctgtt ctagaaagcg ccttacattt tggttaagctg ggttggtgcc 180
aattctctag gaagtttttc tactgaaatt tattgtttta attaatctgc angtcctgc 240
attatttgac aacaattaag tccctaaatt ttttttttca attgggtcct tgaactcgta 300
tttggtttttt aattaggtcc ctcatttaaa atagttcagt ggcctattta aacattgcc 360
tagttcaggc cctaattaaa aataatcaaa 390

<210> 25392
<211> 414
<212> DNA
<213> Glycine max

<400> 25392

tggaacatga gctgaagcat ctaagctttt cacttacttt ttggactgcc tctgatgga 60
ggtgatgctc ccaaatacaa aattggattg aactggggca ggttgctgac ttgagtggag 120
gtagagggtg ctgctgtctg agtaaagtag aattgatgag ttgatgcgct ggataactgg 180
cgaaagtaac agatgcagtg gatgactatg atgtattaaa tgtggagcca aatgtagact 240
tggtggactg ccaactaaag tataaacttg accacattgg agctaacaga ttacaccggc 300
gaagagggag .cagaggtgcc aagtttaaaa gatgtggccc gacttgata acgaaacaac 360
taatgccag aaacaaaagc tgctgcaggg ctagacttca aatgattag tact 414

<210> 25393
 <211> 291
 <212> DNA
 <213> Glycine max

<400> 25393

agtctgtagc caactggatg cattgggttaa cttggtaacc cagctggcct tgaatcaaaa 60
 atctgtacct gtcacaagg tttgtggttt gtgctcctct gctgaccacc atacagacct 120
 ttgcccttcc atgtagcaac ctggagcaat tgagcagcct gaagcttatg ctgcagatat 180
 ttacaatata cctcctcaac ctcagcagca aaatcaacca cagcagatca attatgacct 240
 ttccagcaat agataccacc ctgcatggag gaatcaccct aacctcacat g 291

<210> 25394
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 25394

tttattgcag acgcacgagc ttgttccatt ttttgtttta gagggttggc gtatattata 60
 ataatttatt gaatccttaa actttgatcc atttttaact tggccgtcat atatgtcttt 120
 tttaaaaata cgtgtctgca ttccggaccta attaaactata ccatacattt tcagagatct 180
 aactgataac aagatcgcca gagagtttag cacaaattat cctatgatac agggacttgt 240
 cgacctatca agtgagacaa acgattgatt acttataaca ttaaaagttt tattcgagaa 300
 tgtaatcacc atctatccta tagtaataag ttattat 337

<210> 25395
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25395

agttttctat tattcattgt gacaatacaa gtactgtatc cttactcat aatccagttc 60
 ttcatgctcg cactaaacac atggagtttag acctattttt tgttcgtgaa aacattttta 120
 acaagttgct cttagtgtat tatgtgcttg ccaccgggtca atatgttgaa attattacca 180

aatctttatc tcttaccac tttgaagctt tcaggtttaa gctcacactg tgtgatccct 240
 caaattcttg tcagtctcac ccactgatgg ctccccactg cagttacttt ttgtgcattt 300
 atgtcttaag ggaaatttca atgggggggt ntatcacccg anagcgcacc aagttgtcaa 360
 gtatttataa ttaaaacgg 379

<210> 25396
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25396

taccctttta attttctaca ttttctaccg gttattttac agtttaaagt attgtaaggc 60
 tgttggtcgt ttcaaaatat tgtcttggtg aattttgttc ttatttggtt taaggagag 120
 ggatgcatgt gttatataca agtgtacaca ttcattttta acaatgtggt atataacttg 180
 atgaaaagtt ctcatcttaa tttattttct cgttcttcac cgtgtgaaaa tgataaccat 240
 tgtttaaggc caatcaattt tttattttaa aattaaaaag tgaaattcaa aacaaaattt 300
 agtaaccaa aacatattaa aatataaaag taatgacca atttctctta cataatcttt 360
 taggcttgat ttcaaaatta tatatatata tatatatata tatatatata tata 414

<210> 25397
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25397

agctntgcta ttccatgctc aattgtgaat cttttttag gtaaaacact actggatttg 60
 ggagcaagca ttaatcttat gccaatcca atgcttacta aagttggaga tgtggagatt 120
 aagccaacaa ggatgacact ttaactgaca gatcaatcaa agttccatat ggagtaatgg 180
 aagatgtgct agtgaagggt gataaattca tattcttggt tgactntgta atcatggata 240
 tggaagaaca tgttgaagtt ctttttattc ttggaagact attcatgatg acaactctag 300
 cattgattga tgtaaacaat ggcaagctca aaatac 336

<210> 25398
 <211> 422

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25398

tggatttcct ttagtaggga atctatcctt cctaagatgg agccaaatcc agtcaccgtc 60
attaagaact agctcttttc atcctctatt gccttttagtt gaatacacct ttgttttggtt 120
ctctatttgg ttcttaaccc tctcatgcaa cttctttaca aactctgacc tagattctca 180
ttctttatgt ataaaagaag tgtccagtgg gaggggaatg aggtctaacg gtgttagggg 240
attgaatcca tagacaacct caaaagggga ttgcttggtg gttctatgaa cccccctgtt 300
gtaggcaaat tctacatgag gaagatatcc atcccaagac ttatggttgc ctttcagaag 360
agcccttana agggtgata aagatctatt cactacctct gtttgcccat cagtttgtgg 420
at 422

<210> 25399
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25399

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tgaagaagaa tgtgtcattc acttgggggtg aaagacaaga gcaactcana gaaaagctca 120
ctgaggcccc tgttctagct cttcttgact tttctaaaac ttgagctaga atctgatgct 180
tctcgagtgg gtgtaggagc tgtattgttg caaggtagagc accctattgc ttattttagt 240
gaaaaaattc atggtgccat cctcaactat cccacctatg ataaagagct ntatgcctta 300
ataagaagcc ctcaaacttt gggaacatac cttgtttcca aggaatttgc attcatagtg 360
gatatgaatc acttaagtac attagaaggg taa 393

<210> 25400
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25400

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attacaagaa aaatgaccta tacctacgga cagaaactgt cactataaat aaaaaatccg 120
taggtaaattg tatgatagac tttgttctac ggacgttttt tccgtcaact ttgagcgaca 180
tataatgacg gctaattgtc tgtcactata ggttttacct actatgtata gtgtgtaggt 240
aaaagtcatt aacttctact tacatctcct aactgtaggt aaaagtcttt aatatgtaca 300
tatcatcttc aactgtaggt aaatgtttag atcttagaga aagcttagaa catacataat 360
tgaatgtggg cagtgcagca aaccaatacc tctctgcttc ttcggactaa aaaagaatta 420
tat 423

<210> 25401
<211> 239
<212> DNA
<213> Glycine max

<400> 25401

atatcgttta aagggagaag gatgcgtgag tgatctccac cagtacccat tcatctttaa 60
caatgtgata tatgactagc tgactagagc tcatattaag atgatgaccc ggacttcacc 120
gggtggatac gaaaccatt gtatgaaggc gaatcatccc ttatttataa agaattacag 180
aagcagccta tccctcttct attccctaca aaagaaattt accacaaaaa aaatggacc 239

<210> 25402
<211> 386
<212> DNA
<213> Glycine max

<400> 25402

agcttccatt gttcaatttc gagcgtctcg atatcttatg cgctgaatc tgacctccgt 60
gtgaaaagtt atgaccattt gaatttctcg agagcttccg ttgttcaatt ttgagtgtct 120
tgatatatta tacgcctgaa tcggacctcc gagtgaaaca ttatgacat ttaaatttct 180
cgagagcttg cgctgttcaa tttcgagcgt ctctatatgt gatgtgcta aatctgacct 240
ccgtgagaga agttatgacc attttaattt ctcgagagct tccgttggtc actatcgagc 300
gtttcaatat attatgcgc tgaatctgac ctccgtgtga aaagttatga ccatatgatt 360
tctcgagagc ttccgtggtc aatttg 386

<210> 25403
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25403

nttcactcgg atgtccgatt caggcgcata agatatctag atgttcgaaa ttgaacaatg 60
 gaatcgtttg agcaattcaa atgggtcaaag cttttcactc ggatgtccga ttcaggcgca 120
 taatatatcg agacgttcga aattgaacaa tggaagctct tgagcaattc aaatgatcat 180
 aacttttcac taggatgtcc gattcaggcg cataagatat cgagatgttc gaaattgaac 240
 aacggaatct tttgagcaat tcaaattggc aaagcttttc actcggatgt ccgattcagg 300
 cgcataatat atcgagacgc tcgaaattga acaatggaag ctcttgagca attcaaattga 360
 tcataacttt taactcggat gtccgattca ggcgcataat atatcgagac attcgaaatt 420
 gaa 423

<210> 25404
 <211> 228
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25404

tcgtaaccgg gaaatatcac tctgatcttt gtcaaccagc ccattggatc cttactgtcg 60
 aatatgggca attccaaatt cctccaccga ttgctgtcat gtgccaccat accttcatct 120
 tctccgctcg tgtcaactac gtgcacattc gtctcaagag tttttttctc ccatgccgcc 180
 gccgaccttt ggatcttncc ttcaatcgag ctgagctgca attccact 228

<210> 25405
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25405

tcataaattg cacaagagat acttgtagtg ggtagttctg tcaacacaag ctggtccagt 60
 tcggtggggtc tgaccacat caatccaccc cttaaattgag ttagcccaac ccggttcact 120

taaaagttta ttttaagaaaa aagtgactta gtctggccca tcacgagttg tgagttaaatt 180
 ggggttggtcc accaatccac ctaaaataaa aaaaaaaaat acattttttt aaaaaaatta 240
 acaaaaaaat aattttttaga aaaataaatt tgaatacatt aaaaaaatat tagttgaatt 300
 aaatcttcca ttatccacac accaaaagac attatcacaa gctagaagtc tataactata 360
 ataacaaaaa ctttaaaaat aatcttgaac aaaacaataa ataaaataat gttg 414

<210> 25406
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25406

agcttcaccc acatgggtcag tcaactgtag gagcccgcat taatcctcca ccatattatg 60
 gcctttttaag gtactgcaga ggggttggggc tgtatcttat aaattataac agtggttgta 120
 atagtggatt gtggaaaatt gcgagaagct gaaaatcccc tgtagaatat agcatatata 180
 actaaagagc ggaagtcgca tagcgggtga natagaatat ataattaaat atgtataaaa 240
 aaaaacatg ctatatgcaa ataataataa gctggactaa cattaacata atattatctc 300
 aaaagtaaatt tgttaccaca aaatatngtc atttctctctg ccccttcttc atataataaa 360
 aaaataaaat ctataacagc taaaaagcaa 390

<210> 25407
 <211> 208
 <212> DNA
 <213> Glycine max

<400> 25407

tattcgcaac tataggattt tttaaaatac atgccttaga atccaaattt ttgcaaaggg 60
 gttttgcaaa aacaaaaaaa ggggaggggt gaatcccttc ttcaccccat tcttcccca 120
 aatcctaaaa tcactaaggt cctatgggag tgcaccaatc atacattcac aaaccacat 180
 ttttgctttc ttgctttcat ttttgcatt 208

<210> 25408
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 25408

catgtcatct ggctatttct gcatttttgag ggtcaaattg aacttggaag tgctgtgaat 60
ttgggctttg ctttgtgttaa ttagtttaac tacgtagatt agataggcct aatcaaggca 120
cattccttcc ttttgagtag taactgtata tattactata agttagttag ttagttactt 180
cattctgtac aaaaacatat ttagttaatt gttgtgcaag ctttaggatc aaaattcttt 240
ctctcttttt ctctcttttt ctctcaactg ttcttcattc ttctccctct tctcattttg 300
gtattgcttc ttctgcacaa attttgtggc tcttccactg 340

<210> 25409

<211> 413

<212> DNA

<213> Glycine max

<400> 25409

taactaatca gatgggacaa ttggctactc ttttatatca acaacagtcc cagaattcta 60
acagattacc ttctcaatct gtctagaatc tcaaaaatgt gagggccatt acattgaggt 120
cgggaaagca gtgtcaagga cctcaaccag tagcatcttc ctcatccgca aatgaacctg 180
cccaacctca ctctactcca gaaaaagatg atgacaaaaa tttaaagagt aagttaccta 240
acaatttcta tgcaggtgaa tcttccacta gtaattctga tttacagaag cagcatatcc 300
ctcttccatt cctccaaga gaaatttcca acaaaaaaaaa tggaagaggc agagaaggag 360
atattggaaa catttagaaa agtagaggta aacatacctc tgctggatgc aat 413

<210> 25410

<211> 377

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25410

agttttcttg attaaaggct atagagtgat gccatgggtc tgttgatccc actgaaactt 60
gatggcatgg gctaattctg aaagaattta tatagtgaag gctacccttg gattcgaaag 120
gaatcctaag gagttctgca tgagtggcta atgtcagggt tatccacta tcacaatcgc 180
ctttgggcat tttccatgag ttcttggtca aatgagtttt cttcttaact atgtaagtgc 240

aaaacctcgg ggattctttt ttttatttat atttttttca acaatcacia gcgtgtgtaa 300
 gttttattcc agaatcccaa cttanaagca aattagtaat tccttgatcc acgtgggctt 360
 gtaacgtggt caggggt 377

<210> 25411
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 25411
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 ccagggccct attggacttc tccgggtcca ctgggtgtct aggaggcgct atccctacaa 120
 actgatacat agcatctgag atcagctggg caacatgtac actcacctga gtcaggatgg 180
 cgtataccat ctgatacttt gacaggggga ggtataagtt atggtcgctg gggagaatgt 240
 tgctaagcag caacgtcatc ctaatctgtg tgagggtggg catgcttgctg cgcctgatcc 300
 gtaccctgtt ccccgctatg ctccaagata agtcctaccc cggaacgcac 350

<210> 25412
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 25412
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 ggcctctgtt cttcctttgc gagatacttt tccttatgtc agtttgcgta ggtttatagc 120
 ctaacccaaa cttcccgcggt tttcctctgg tgcttactag gctggttctg ccgctgttgt 180
 tcttgcccaa actcattccg ggctcgtagc cgtaccgcaa catcatttta ggctcgtcacg 240
 tgaaaaataa taagatacgg tcggtagact ctgttcaaac taaaattggt aacacttcct 300
 tttcaaataa caagattaaa cataattaca ttcctcatct aaaactgtcc aaaatatggg 360
 agtttgcaaa atacatagt 379

<210> 25413
 <211> 414
 <212> DNA
 <213> Glycine max

<400> 25413

tctaaatatg aaaatgaaat tttggaacta taaatgagaa gcttgcacga atttggttaag 60
gaaaagaaga taaggaagat taagagcccc ttaccaaagc ttttatggaa gaaacctcaa 120
gagcacttgt atgaagcttg taagaagaaa gaaatagact catctctcct ttggttgagc 180
ttgtgcaaaa tggagaagaa agagctccaa tttgtttttt aaagagacat gatgatgagg 240
tttaaggctt aagttgacaa gcttaattga caacatgaat gactaataac cagcccatgg 300
ttaacgtgcc aagccatgca attttagtgc attatgcctt ttgaaatttt aagcaaaaat 360
ggctaaagta ggtttaaacc aaaaaatgga aatttctggc tttgctaaaa ctag 414

<210> 25414

<211> 365

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25414

agcttctcaa ggaagttttc tcaagaaagc ttctcaagga agctacctag tctataaata 60
gaagcatgtg taacacttgt tgtaactttg atgaatgaga gtcttgtgag acacaactca 120
nagttcaact tctctccctt tttcttcctt caatttcgtg ctccccctc tctttctctc 180
cctctttctt ttctccatt gaagcatcct ctctaagctt cttatccaag gctcatcttg 240
gtggtgaagc tccttcttcc atggcttatt ccctagtgga tggcgctcc tctcacctct 300
tctcctttgt cttccgctgc atctncatgg tggaaaatca ccattaaagg acctcattga 360
agctc 365

<210> 25415

<211> 412

<212> DNA

<213> Glycine max

<400> 25415

tggagaggag gcttcaatgg atgataagta tgaggagag aaagagagag gggggagcac 60
gaaatcgaag gaagaaaaga ggagagaagt tgaactatga gttatgtctc acaagactct 120
cattcatcaa agttacaaca agtgttacac atgcttctat ttatagacta ggtagcttcc 180
ttgagaagct ttcttgagaa aacttccttg agaagcttct ttgagaaaac ttccttgga 240

agctagagct tagctacaca caccctctc ataactaagc tcacctcctt gagaagcttc 300
 cttgagaaga ttcctaaaga agctagagct tagctacaca cacctttcta atagctaagc 360
 tcacctcctt aagatgagaa gctagagctt agctacacac cccctataat ag 412

<210> 25416
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25416

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 gaaccgagaa gaagaacaat ttcaaacaaa ggaagaattc attaggaatg tttgtttcct 120
 taatgagaag tcatgtggca actactttgt gctgtctcct tcgagtgcc a ctacgttagc 180
 tggggcacct gttgttgcta gtgtgcctaa ggaaacgccc attgtgatga ttacattggt 240
 cattaacaaa aatatagact tangaatact tgatatcatg tatcaactat ctggacaatt 300
 agttgaaaaa aatattcaaa cctatgggtgc aaaaaaaggt gcagtagttt gagaaat 357

<210> 25417
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 25417

ttctattttg tcttgaattc aactttgttg gatggtcttc ataaataatc cattatztat 60
 tactacaatg ggtctgttga tctgatctcc attatgcaat attcttctat agatgattcc 120
 aaggcctcat cttttatctt tttgtatcca gaagcatgtt gagctaatacg gttagcttca 180
 tcattctctc ctatgtatac atgttctatt gttacaatca acaaaatagt taagtaattg 240
 tctagctgaa ttgtagagct ctactaagggt aatgggtattg catttgtttt cacctttcat 300
 atgtogaatc atcaattggg aatctccata agtttgtaca cgttttactt ctttttgcaa 360
 taatgtttct ataccaata tcaatgcttt gtattatgat tgattatta 409

<210> 25418
 <211> 477
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25418

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tgccggcgagc cagcgcaact tacttggtgt gataggccag aagggccaca gcgtgcttaa 120
caaaaattca ctaaaaatga tccccatta agctcttatt caaaggctat gttctatcat 180
atcgtaaatg tcctagtttg ctccataaat cattatgaca actcgagttt ttcattagag 240
gattagattg cctttaatca tggaatgcgg tttcgtttct ttgctttata ccctactct 300
cctgagaaaa ttaacatttg tcaaacaatca natatcatga gtcaagaatt tgcaatattc 360
atcttatgca atgtctatca tcatacttca acaaggacaa aagcaaagat ggtattttta 420
taatacataa attaactata tttagggctg acagcataaa tgtcatatgc aaacct 477

<210> 25419

<211> 271

<212> DNA

<213> Glycine max

<400> 25419

acattgtggg tacacgctca cacacatatt tatatatgga tagatgacat aatccttttc 60
ctctggcagc atttatctaa gtgggtagat aggcacgtgc ataggagcag atgggtgatt 120
gagataacat tgtcgtagac gaacaaaacg tccagtgatg tactggggtg gagattattt 180
ctgggtggga aggatatggg gaagcttttt tggaataggg ggttttgaag tgactttgaa 240
gatgagtaat tgtagagaga attttgtata t 271

<210> 25420

<211> 144

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25420

agcaagttaa tgttctgctt tatnogganc gccaggaggc tattgaggat gtttgcacat 60
atgttcatca aagatattag gctaaaattg ccttttttgg ttgcgtctct gtcccgtat 120
ggtatcacga tgatgttagc ctca 144

<210> 25421
 <211> 554
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25421

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agcgacncnc cncgagcg gactgggttat actagnnnngc tagnancntc nacnacnann 60
actaagcgga ccngggacnc gcngganaag ggagctacgn gggactttttt acaagtagat 120
ctgcacacca cgcncggagg aatgcggaga ttctgggggca aatgaacacg gtgagaaaga 180
gggagaaacc catgctgaga ctgccattcc tatataacca agtgtcccac caaccaaca 240
atgccattac tcagccgatg acaaaccttc tccttaccga ccaccaggt attactaaa 300
gccataccta atatcaacca cgaagcctat ctaccagact tccaatgacg accaccacct 360
ttagccctaa ccttaacacc aaccaagaga tgaattttgc ccccaaatac cctgtagaat 420
caaccaatt ccggtgacca atgctgactt gcctccatat ctactagata atttataggt 480
agccataacc cgcagccata agttcataca tctcgcatga tctcgcgaaa tacgactctc 540
cacacgactg tgcg 554
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<210> 25422
 <211> 544
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25422

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agagaagggg ccccgcccg ttttgcaatt cagtcccgta agnacnnatc nncnnaantg 60
aanagcccg gcgngagca atgtccagca tccaaaacac attattacat ttatttctac 120
nccnganca cgggcgcttg ggtagcgcta tcaactttaca caataccact ctactactg 180
tatgactaan gacatcatat ctgtcatatt aatacctaaa caataatat gacctataaa 240
agaactacta gatgagaaca taaacctgca atgcacatgt gtatcaccta atccatatcc 300
tatgcctoga gaaaatccat ttaatatcac ctagattata agactgtaca taccacatat 360
gtaatgttct ataaataata caaatcaaac taagctatca atgtcacaaa tgcctactgc 420
tagacatatc atacaagatc ccgcatattg aacagtgtct tctgccacct taattacatt 480
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tatcactcta atacctacac caggttgaaa cttatcttat ngaaatcaca catgaatacc 540
agcg 544

<210> 25423
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25423

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attccgagcg tctggatata ttacgggact caatcagaca tccgagtaaa aagttattgt 120
cctttgaatt ggatcagagg ttcaacattc aatttcgagc gtctcgatat atttcnggac 180
tcaatcagac atccgagtaa aaagttattg tcgtttcaat tggtcagag gttcaacatt 240
caatnttgag cgtcccgata tattacgtca ctgaatcgga catccgagta anaagtattg 300
gcgtttgaat tgctcaaagc ttaacatttc aattcgagc 339

<210> 25424
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25424

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ctcaagtatg tgggggcaat ttggtttggt ttcttgcttg attgggttgg attgcgggtt 120
tgtatgggat ggccctangc ctataatgca ttttgaaaca atgggacatg ccacattgtc 180
cccgttctct tgctatagat acctaaacgc gcccaccaa gtgttcggtg aaatccttaa 240
tggcattagc gcgtgacttt tgtaggaaac aacccatggg gcatttttgt tttcacatat 300
tttctatttt ttgggacatg cattcattcc ngaaaaggct agaggtattg cccacatata 360
ttctatgcct angaaccaaa gttntatgca aaaacacaag aggagtgcac gtggtaaagt 420
actctttttg ccacgtccct ataaccacct cn 452

<210> 25425
<211> 266
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25425

aattggattt ttggccttct tcttctccta gtggctcaca taattttggt tgtattaaga 60
ggaggaaaaa tgggttttct ttgtgctttc tcattgtgct aaagtgaggt gagaagagag 120
ctttctagct tgcttaccaa gtttaagtga gaataagtga agtgctagtg ggtgtgtatg 180
gagagtgggc gttgtaacga cttgccttgt tgctacgata tcattactct anaccgcata 240
aattttaaat tttaaatgaa aactct 266

<210> 25426

<211> 543

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25426

tgccnncnc cagacggggg acgatgagcc attgngcttg tatnnctnga cactatagat 60
actcaagctn tggatctcaa tagttgcgga gctgtctggt gttgtttaaa tgttgtgaat 120
gaacaaggac atgattgttt gatgacaaat attgacaaaa atgcatgttg taaacatgct 180
ttttctcatt atcctaaatg tgatttggtg ttgaataatt tgagtgaacga tttcaataac 240
actattttag aggcaaggga gaaaccaata ataattattgt ttgagtggat taagtcatat 300
ttaatggcta ggtttggtac atagcaacaa aagctagcaa aatattatgg ttaaattatg 360
cctaaaccta tgaagaggct agatagggaa attgagctta gtcttaattg gaatttagat 420
tactantttc ataagatatt ggaagtcacc catgctntaa atggtcataa gtttggtgtc 480
aacttgcattg ataattcttg tacttgtaat tatgggggtat agttggtatt cattgtcgcc 540
atg 543

<210> 25427

<211> 505

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25427

tgccccccca ggaagtgact aagctagatn ntgaccatna aaaaagccgg accagctgct 60

gcgagcagag ctttcttaga taattctgcc ttctggaaga atagtctgga agcggatgtg 120
gacccagttg ctatttgcac cccgtttgta ctaaatacac ccccttgctc ttttgtggtg 180
atattttttt tccgtaacgt tatgaaaatt tacgaattgt gtaacgatgc ttgttctctt 240
tccgtaatgt tacgaaatct tacagattat ggaatcatcc ctttttttgg cttcccgaac 300
gttacggaac tttacggatt gcacactaac acttcctttt aattctcggc atgtcacgga 360
acttcacgga ttatgctaca atgctttctt ttgactttcg gcatgtcacg gaacttcacg 420
aattgcctaa agatgggtgc caagcacctc gaagaggcaa acgaagggtg ctccaacaa 480
cggatggtcc cggacaaata aggag 505

<210> 25428
<211> 435
<212> DNA
<213> Glycine max

<400> 25428
agcttgtgtt gcaattctat gagctaaacg aaggggaggg aggtactgag caaagtgggt 60
acggaaagga tgtgggggtg agagtattca cgataactcg gctagactgt gagccacttc 120
aagtgttggt cagatttccg tagagaatcc tcagggtaaa taatacagca atacttcttt 180
gagattcact agacataaaa accaaacaga gtcttcactg tctctctctc ctttgctgac 240
ataaatgaaa cctctcctga tgccctccctc ttcctctcct cattctatac ctgtgctttt 300
tctaactctt aaggcatcta gaaaattaga gactcatcac tagcatatca gcaatacgtt 360
ctcattattc tgtatgctct cctattatcc acaatgcatt attgtcatct atcaatgtat 420
cattattgaa cacct 435

<210> 25429
<211> 308
<212> DNA
<213> Glycine max

<400> 25429
aaaagatagt tggagggtctg ctgcatactt attcaagtac ctaaattatg caagggaatc 60
gttctttgtt taaaacttaa attattaaaa ataattataa atgcctcttt acatgaacct 120
tctttataat ctgttttagat gggctaactt atagcatagc ggggtctgttt ttacctggt 180

gtattttgaa atattataaa ttcacaggaa gttacaaaga tggttcagag tgttcctgtg 240
tacccttac ccagttttcc caatggtcca tctacatatt atactatatg tcaaaccaga 300
aattgaat 308

<210> 25430
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25430

agcttctgct gcaatactat gagctaaatg aaggggaagg aggtactgag caaagtgggt 60
anggaaagga tgtgggggtg agagtattca ngataacttg gctagactgt gagccacttc 120
aagtgttggc cagatttccg tagagaatcc tcagggttaa taatacagca atactttttt 180
gagattcact agacataaaa accaaacaaa gtcttcaactg tctctctctc ctttgctgac 240
ataaatgaaa cctctccttg atgcctcctc ttcctctcct cattctatac ctgngctttt 300
tctaactctt aaagcatcta gaanattaga gactcatcac tagcatatca gcaattaggt 360
tntcattatt ctggatgtct ctctatttta tcacaattca ttattttcat ct 412

<210> 25431
<211> 316
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25431

agctntatgt gaagatttgt gaaagtgtaa cctgttcaat gacatttgaa atattcatag 60
tgtctctagt agagaaaaca gtcaaaagtc acttctttat tatttgctta ctttcccaac 120
caaatgttca ggcccagttc tccatcccc acactcttat atgagaacct gactttacgt 180
tttcacatat aatgggtatgt agttcttgca tgaatcanat aatccatcta attcaccagt 240
ctcataatct agtttatgac atatcaccag agactaagga ctggtgtctg taaactgtga 300
nagggccaaag ttgatg 316

<210> 25432
<211> 486

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25432

nnnccgcctt gcatgagacg ccaattcaac cgacacgcga gctcttaagc gacttgagga 60
gcagcctatt atggaaagga cgcgaaccta caacgagata tggttaggcc acgctaataca 120
acttgttgaa accgaagtgg cggtaattaa gttggtaatc attctgtcaa tngtaatggt 180
tggataagat agagctaagt caacaggaga catctgagaa tgaggtttaa ttggaattag 240
gccaaactcg cgagacatcn gtgtttggta tttgcgcctt cagcatagaa cacaaaaata 300
atttcaagtc gagaaaaatc ctaattgcat taagtatctt agtagaagga ccctacgctt 360
ttgcatatct tgtttcacac tcaactcgctg acacttacta tngtgacctt taatagaaat 420
acttctgttn ttacttcatg actatcaatt gtttacgcag atgcctatnt actgcatgat 480
gcttta 486

<210> 25433
<211> 538
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25433

tccattcaag aggggcnenn cnenccega tttctgntgn ctagnctntt gntngnctca 60
cacannnaca gagaggcnnc acgagctcga cattgagacg gngaagaaag nnatagatta 120
gatantttgg acaagacngc cngcagcccc tatgggaggg tgggaaagac aanaccaaac 180
cannaaagng agccaaaaca ttctaagaac ggtttggan aaccatctta gaataatcac 240
cttctaagat gattttctta aaccgttgta tagtcggtgt atttatttac aaatatgtca 300
cogtcttata tactaagaca gatcctcggn aattggcttt gctntggatc tggagaataa 360
gttttttata agcggtgacc tggccattat ttaattaata tgctgtacaa cataaacaat 420
tagacaatct atgtgtaggt ataacgcata caagctctca gcgttaaata ttaagataat 480
atactgcaat tatccttcaa aatcttatta atatcttggt cacattcttc aatttttg 538

<210> 25434
<211> 195

<212> DNA
<213> Glycine max

<400> 25434

catggatctt acttgctggc tctgaggggg tggatccact gagctagaac attggctccc 60
tggcttcacc cccttttctg ggagtgaatg agtctgtctc gctggcattc caggagccac 120
tatggtatga aaaacaaaaa ctctgtagc tagttcgggtg tctgaccaa tggtgcca 180
agttttgctt gaaac 195

<210> 25435
<211> 194
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25435

tgcgcaaat cttcaggatt aacatcctcc cccttttga tgatgacaac cacctgtagg 60
ttnggagcaa caacaaagaa gaatatctat ttgcatatag ttactcccc cttggttttg 120
gaatgattgc ttatatgaaa cagttgaaga tttcatattt ttcatatgta aaccttattg 180
tctcataaac aata 194

<210> 25436
<211> 151
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25436

cccccaacag ccatcaatca atcaccatth ggtctcccaa aaggctgata cctangttgc 60
caattgtgcc cttattacaa cttgaactaa acccaactaa agccctttta gttgattaac 120
ccanaacata tttttggtca gccaaactta c 151

<210> 25437
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25437

ttcttttttta ttttanggn tatcagaatc actatttcga aagcccttat anacataaan 60
 gaanattcctt atctatttat agatgtttga tttgcaagga tattagttct caatcatatt 120
 taaatcatgc aacagaattg cattttgcac gtttgtaa atttacatata tggaaatata 180
 atatgtaatg attgtacaga atatattcat cctgttttat aagacttata gcttaattgt 240
 attattccag atcaattata aggtctctaa tgtccatgtc tggtatagta gtagtgggct 300
 ttagctataa tttatttggt tcaactatcc ttaatggaaa atagattcca cttattacct 360
 gttcagaaca tgtagtggct tgataaaaac tactcta 397

<210> 25438
 <211> 597
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25438

cgatnaccca gtannnacct tcatcccnac ncccccaact gatngcttag cnnggcatag 60
 catnnnnncnn cacactattn gaacacatca agcctncaag aaaaaaagat ggcnctcagc 120
 annnactcct tatttttttca gaagttttta ttctatcaat agcaacctcc aagtctttta 180
 gtggagagtg tgttaccatt acnntggaaa acctgaatgc ccaaattttt attgagggca 240
 atagatctat aatatttggg aagccataga aatagggcct tatataccca ccacagtgga 300
 aagagtttca atagatggta gttcatcaag tgaaagcata actatagaaa aacctaaaga 360
 tagatggtct gaagaggata gaaaacgagt acaatacaac ttaaaagcca aaaacataat 420
 aacatctgcc ctgngaattg atgaatattt canggtttca aattgtaaga gtgctaagga 480
 aatgtgggac actcttcgat taacacatga tggaactaca gatgttaaaa gatctangat 540
 aaatgcacta actcatgagt atgaattatt tagaatgaat gcanatgaaa atattct 597

<210> 25439
 <211> 259
 <212> DNA
 <213> Glycine max
 <400> 25439

atctttcttt tgctgggctc actaaaggctc actaggcccc aaagcttaca aatatgattc 60
 ttgggcccaa taaggctctgg tggcccaata acaaaaatac agcccaaaaa caaaaataaa 120

attgtcagct ctcttcaagt ccaagtcagt tctgccgaat ttcggatcca agcccaaagt 180
 cttataattc tcctgaaatt caattttaac aaaaaataa tcaagtaggc ccaaagtatt 240
 aaactgcata attaatttg 259

<210> 25440
 <211> 236
 <212> DNA
 <213> Glycine max

<400> 25440

cccttacctg agcttggttt cagaactgct agagaatacg ttgtctagtt ctgtccatgg 60
 aattatgcct ggcgggaatt tgcgcgatgt tcttttctt ctttgcttct aagatgattc 120
 cctcaggcaa tctcaggcca ctcaagtatt ttcattttca cgttctttct gtgagaaaca 180
 tgaacaaacc tatggagtgg tttgaaaatg aagattttta actcttcagt gacaaa 236

<210> 25441
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25441

agcttgcattg caaattatct taatataaaa acatgcanac attgaaccat agaggtaaaa 60
 gtttcctatg aaggaaacta anaaacactg attaaagaaa ttgtagataa cacaacaaaa 120
 tggaaaaaca cctcatgcac atggattgga aggaacattc attaaaatga acatacttgc 180
 ccaagaaatc tacagattca atgcaattcc tatcanaata tcaatgtcat ttttcatang 240
 aatagaanaa gcaatcctaa nattcatata gaaccaaaaa agagaccana tagcccaagc 300
 agtcctaagc aaaaagaaca nagctggagt catcacatta cctgactnta aattatgcta 360
 caagactata gtaatc 376

<210> 25442
 <211> 509
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25442

nnnaattcgg gatcggnagt tagatancta gaaactaagc tngaattgac aacggaagct 60
 ctcgagaaac tcaaatggnc attacttggt ttacggaagt ccgattagag cacgataata 120
 tatcgagacg ctcttaattg aacaacgaat gctctcgaga aattcatatg gtcataactt 180
 gtcacatagg agtccgatta aagcgcgtag tatatcgata agcttgaaaa tgaacaacag 240
 aagctctcga gaaactcaaa tggtcataac ttattacacg gaggtccgat tgaggcacat 300
 aatatatcga gacgctcgaa tttgtacaac gaatactctc aagaaattca catggtcata 360
 acttttcgaa cggaagtccg attcacgcgc atattttatc gagaagcttg aaattgaaca 420
 accgaaggct ctcggaatt aaatggtcta acttacacac cgaagccgat tatgcgctaa 480
 tatatcgaga cctcaaatg acaacaaaa 509

<210> 25443
 <211> 304
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25443

agcttggtan tcgttaattg aganaactnt aagcaggttc aaagttatcc catgatagtg 60
 gcattcttat ttgtatatat gtgctttcct tttttatttg tatcaaagca tttaaaatga 120
 atatatgtaa catgtaccta agttctaaaa gcataataaa atgaacacat ctgaaaccac 180
 cattctgctc aagaaatata acattactca agaaatacag tgttacaagg tgatactgtg 240
 aaccagcttg acttgaaca ggattagagg gggaaaggct tgggtgaaaa tgactgttct 300
 caag 304

<210> 25444
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25444

agcttggtatt tcttattcat gctgctatac catcatctga aattccttaa acaatgcgtt 60
 taaccttaaa aactgcagc gccattggc cataaggctc gatttgatt caccctgtct 120
 ttgtttcatt gaaaacacnt taaaatgagc ttctgttgta ngaaagtgc agcatgttca 180

gctagccata aatcaatggg tatttgagac agattatcta taacaattat tttagattat 240
 ntaagtatca tttttatntt aaaagaatac tntccatgaa tttgaacctc agtaatggca 300
 aataactcag tctaaacaga aagatgttgc aggtataatt atctgaatat tgttacaatt 360
 aagggaacag tcatgcacat tactggcctt tagaanaata ntatacttca tgtagatatt 420
 attaataat aaaaccctaa tgga 444

<210> 25445
 <211> 510
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25445

ncccgattcg gttacngnnn gttagtatnn cttgacncan tnaaactca agctcggaga 60
 ggatgcttca atggaggaaa aganacagat tatgaattga gaggggggaa cacaaaatgg 120
 gaggatgaga aggtggagag aagttgaact ttgagttatg tctcacaata ctctcattta 180
 tcaaagttac aaaaagtgtt acacatgctt ctatttatag cctaggtagc ttccttgaga 240
 aacttccttg agaagctttc ttgagaaact tccttgagaa gctttcttga gaaacttcct 300
 tgagaagctt ctttgagaag cttccttgag aaactagagc ttaactacac acacttctct 360
 aataactaaa ctcacctcct taagaagctt ccttgagaag attctagaga actagagctt 420
 gctaccaca cctctcaata gctaactcac ctcttgactg agaagtagac ttatctcaca 480
 cccctatata gctagctacc ccctgccaaa 510

<210> 25446
 <211> 513
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25446

nnnttattgg ggcagttttc nngangntng acctataata ctcaagctga attgtaacgg 60
 aagtttctaag aaaagtcaaa tataatattg nttgactcgg atgtccgata gagnetcgga 120
 atatatcgag acgctcgtaa ttgaaaacag aagctctgag caaatttaaa cgacaataac 180
 ttttgactcg gatgtccgat tgtgtcccat aagatatcga gacgctcgta attgaaaacg 240

gaagctctga gaaaaatcaa atgacaataa cttttaactc ggatgtccga ttgagccttg 300
 taatatatcg agacgcttga aattgtaaac ggaagttcta taaaaagtca aacgacaata 360
 acttttgact tcggatgccg attgagcctc gtaataatat gagacgctcg taattgaaaa 420
 tagaagctct gagcaaattc aaacgaccat aacttttgac tcggatgtgc gattgtgccc 480
 gtaagatata aaacactcgt aattgaaacc gag 513

<210> 25447
 <211> 525
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25447

nccagttaga tttgctaaaa gttgtatcac tngacactta gaaactcaag ctcagactat 60
 attgtagaat cttgagcctn tgntctctat gattatgtcg gncttatcat agagggggtc 120
 tttatgcttt cttccaatat cgagaatcca ttttgtaagt acaatgtttt tcctaattgat 180
 atgatcgagg cttcacacca gtaatgtgga cttatcattt actaaaagaa ttaggattcc 240
 agacaaggag aaattaccac catatacatc ttgtataaca cccaattttt gcgtaatata 300
 aattaaaaaa gattctattt aaaaataaat agagggtttac gaaaataatg agattttcat 360
 aattaaataa atagaaaaaa tattttatta attaaaatga tgattttagg gtaataaaat 420
 aattatatgt tcttattaaa taaaatgaat atttaaatta ttcatttgat tgcgagtaaa 480
 tatagtctat cttattaaat aatatcatca agaacaatag agtag 525

<210> 25448
 <211> 251
 <212> DNA
 <213> Glycine max

<400> 25448

tttctttctg tattcgccct agaagcagat gccactacac ttgctgtata gtctgcagaa 60
 ccatgagcca attaaacctc ttttctttta gattgcccag cctgaggcac ttatttatag 120
 caatgcaaga actggcctaa acaaaacatt agttcaagag tgaatctcag gatggacatt 180
 ggtataaaga taactgaaaa tgtagaagca acttggaaact gggtcatgag aagagggttac 240

aagagtttgg a

251

<210> 25449
<211> 213
<212> DNA
<213> Glycine max

<400> 25449

caagtgggca caggccagaa gcctccacat ctttccccga gcctgccatt ctaccttctc 60
agtgtccctg tggccaactg ctacttctgt cccctatgat attggacgtc atgcaagggc 120
acttgctgat agcgtgaaaa agacaacaaa cctcagaaag gaactcaatg tctttaagag 180
cagaacaagc caatgaagac ctatgactgt gac 213

<210> 25450
<211> 234
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25450

agtttatgtt tatagagaag aaagatatct gaatgttatg tgactagaag gtacacatga 60
gtactatttt tttttttgat cagcaaaagt agatatatat atatatatat acacacacac 120
acaagtncca gtgggtactg aaaatacaga tgatattagg tagacttgct gttccaatgg 180
tcaggctaatt ttcagtctga taggatccaa gctagtcacc atatatatattg atac 234

<210> 25451
<211> 290
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25451

agcttttttag ctcanaacca cacaacacaca caaacagcgt cttgtgaact gtggaaagaa 60
aggcgtaccc ttgactctaa caattctggc atatgtatgt gtcattattcc ttacttcctc 120
ctctagacaa aatntatttt cctaagacca tcgaattagg tggtaaactc attgatntat 180
ttttatgttc acctttcttc aaataccttc cttgaaatct cagaggacta caccactgac 240
atatattccc agagcaccat caacattaat cctccttcta aatatctcac 290

<210> 25452
 <211> 229
 <212> DNA
 <213> Glycine max

<400> 25452

tatggaattc tatcgtttgt ctactttac acctattgga ttttggagta ctattgataa 60
 ctgctaataa atgagtatat tttggagtta aattatatag gaatttgtaa tttttctctc 120
 ataattgttc ctttttttagc aaataattgt taaattaata tcattttaagt tttcgtgcag 180
 aaaatattaa tagtgcgtgaa tttgtgatgc ttagtgaata aaataaagc 229

<210> 25453
 <211> 95
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25453

agcttactta tatacaaaaa taaaagataa canagccctt tcagccggaa ccgccgtttc 60
 cagtaatcgc caaatgacga acacaaaggg aaaag 95

<210> 25454
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25454

agcttctggt aagtttatag cagatcaact aggtaaaaag gtgttaggac ccgtgtcata 60
 taaagaantt taaaggaacg taggatattt agtactaana acaaacataa aaaagaattg 120
 gttggcagaa catgagagat gccacttatg tgaanaatac tttagattta ttccatacaa 180
 gttttggagg gtaagttcaa agggtagaaa ttagaaggag atagatttcc gctttaatgt 240
 aaggaaaaga tngccaacaa tttgagctct tcaaaaatgg aatagactta ttgtgaattc 300
 gtgagttcac ccctatttgg acatagtcaa gcagatgatg aatgactt 348

<210> 25455
 <211> 404
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25455

agcttatttt cttgttttat tttnngngctg ngcaactttg ttntcaattc tgtaatctga 60
gggtcatgcg cttagtttgg ctgctactct tangatacta ttatcatatg tatnttcctt 120
tattccttcat tcttttagata taatgatttt gtttccttaa tagtaagaca tatattatca 180
atcatggctc aatggaatnt accaacacca ataaaatatt tatttaatat aaaccaagtt 240
gaataaaata atagagaaaa atacattgga tgcttgcaaa tgtactacta ttgtaaagtg 300
tgtgattcct ccacttggtt cattcacctc atgtgttttt aatagttgaa aaatcataat 360
taccagcaat attatactat ttcttgcccta tatcataaac atac 404

<210> 25456

<211> 514

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25456

nccccggat gctttcatgt gtttggacan tctgacaaat anacacgtga gcttgtaggg 60
ttagagtctc acgaaagaca cgggccatt taacaattgt tagccgcggc tatatgagag 120
cgctgtcaa acaaagtcn gtacagata actcgctgt gctttctctt ccatgctata 180
tgtagcaaag tgattgatct agtaatgctt gatgagttgg aaaatgaggc cgcaattata 240
ctgtgccagt tggagatgta tattccccct gctatctttg acatcatgat tcaactagatt 300
gacatcaagt cagagaaatc acatgttgcg gtctgttta tctacagcgg atgtaccggg 360
ttgagcgatc atgaagatct tagaatgtat acaaagaatc tatatcttcc ggaagcatct 420
attggtgaga ggtacattgc aaaggagcca ttgaatcctg tcagaaactt agagacgcta 480
aagctgtggg cttctgaatg tcacatgaaa caag 514

<210> 25457

<211> 299

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25457

ttcttatttta ttatttggat gaaaaacact agtccaaaaa acgccanaat actcttgatg 60
 aanatgaata tgatggggag aattgcccta ccagatataa atctataaca attaattcag 120
 ggcagtattg tcgtagagat agaaaaanaat aactaatgc gttagaatag acagctcaga 180
 gnagcaatag gaatatatgg acaatgtaat atatggtgaa ggtgctataa cagatcagtg 240
 aaggaaagtt tgaatttttt cagtaaagtg ctctgagatc acatgaatan agaaaaatc 299

<210> 25458
 <211> 225
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25458

tgcttcatgc attcactntc cctcttctc gaggtaattg ctccgtatct aaagcttcat 60
 acacctgcag ttctgtgga gaggagctc atatctgaga gccagatccc tcgaccacg 120
 ttgtctgata gatgcgcttc catagggttaa catttcattg aatggctgac aaagcacttc 180
 ataggatagc tatagtccaa tcttacgggg tgctgagaag accct 225

<210> 25459
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25459

cactcactaa ggaaatcggg ttttaaccagg tctcctccaa ttaacactat cctattacta 60
 gtaattaatt ggatatcgca accatgcttc tctaattcgt agtgtcttgt gtaaattgtgg 120
 ctaatgtctt ttgggtgtgca aatggngtga agtgatttga gctcagaaaag gacaaaccaa 180
 ctgggtttcc ttttctgcat ttgaatagaa cagtagaact ntccattctt acttggtgtg 240
 gcaattgcca gcttttccgt aacttgtccc cttgacatga gtgacgaatg aaccgtgtcc 300
 gtggcttcta ttaagttttc tttctctttg ngaccacact aattattacc caatccatgc 360
 tagatcacta atactgcat tagan 385

<210> 25460
 <211> 380

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25460

agctngttat tgcaggcact gngccggttt gttttttaac ctgttttacc tctacattta 60
cactatcagc ataataact ataaataaat atatgctgat taatatattt tcaatggtac 120
aatttaaaact aaatattatt tttaaaacca cactctctct agctntgtta ctaagagcaa 180
agcaagtcac atacagtaag gtttagtctt attgtaaaag aaaaatttca gacaacataa 240
atttaacaga atttacgtgg aaaaaaaga aagattcatg aatcacacat tacacagaat 300
ctgaaaagat tcagagagct ctgctttgcc acatgggcag tgagtattta tagacagaac 360
atgggagtaa gtatagaaat 380

<210> 25461
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25461

ggggnggatg actatgatct tcgggatagn gcacncgtn cngggatcct tagagtcgac 60
ctgaggcatg caagtcttat atcagaccac ttccagggtg ctggagctac ttcacatgga 120
cttgatgggg cctatgcaag ttgaaagcct tggaggaaaag aggtatgcct atgttngtgt 180
ggatgaattc ttcagaatta cctgngtcaa ctttatcaga gagaaatcag acacctttga 240
agtattcaag ggagtgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat 300
cangagtgac catggcagag agtttgaana caacanggtt actgaattct gcacatctga 360
aggatcactc atgagttctc tgagccatta caccacaaca aaatgacata gttgaaagga 420
aaacaggact ttgcangaac ttgtanggtc atgctcatgc caagaacttt ctatatt 477

<210> 25462
<211> 255
<212> DNA
<213> Glycine max

<400> 25462

agttttcttg cccattgcct caaggacatt gttttcactt gtccttagca cgtgcctatc 60

catatttatg gatgagtgga ttatcactag acaaagacaa attatcttta aatctgaagc 120
 tataaaatgt ttatgtttgt tgatttatat tgcccagctg ttctcccagc aggggtgggta 180
 gcagggtgac ataaaaataa aacagcatcc accctttcta tgccaaatgt aagaaaagaa 240
 ttaaaatgat gttcc 255

<210> 25463
 <211> 73
 <212> DNA
 <213> Glycine max

<400> 25463

agcttagtcc tataggggat ggaccttttc aggttttgga gaggatcaat aacaatgcct 60
 ataggttgga cct 73

<210> 25464
 <211> 144
 <212> DNA
 <213> Glycine max

<400> 25464

ttatcttttc cctccctac aagggcagcc aaacattcta gagcccagga aagccccagt 60
 tccaggctct ccacagtgcc caccacccc agcccttcag aaagccccca aattccagcc 120
 cccacaaagt ccaactttga tatt 144

<210> 25465
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25465

agctntgtat gaatgtgact tcagggaatc ctgagttctg tttagtgagc atcatagact 60
 ctcagagctt caaggggtcta gacacagaaa tcaggggcct gccccaggt accattagaa 120
 tcacctggag agcctttaca ggttctgttt tctgagcca cacctgagta gttctgcttc 180
 agttaccttg cggtgatcct caaacctcaa aactttgtaa agttttggtg actccagcgg 240
 tggctaattt caagcacagc aaccaagcgc ccaagccaaa actattgttc ttaccacat 300

gtntattttca tggaggagta agtgtgag

328

<210> 25466
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25466

ctaaattaac gtccttccta atgaaccggt attaattaat ggtgggggta gagctaatacc 60
ccttaatgat ggtttaatgt taaatttccc ttaataatta aattaagggt tggattaagt 120
ggtgttgaac tgataaagga taaattctcg caacctanga taagagactt gcttgtgaaa 180
tcagggaag caacgtatatt aattctgata ttctaatacaa ttactcctg ttaatttcaa 240
aagcaacacc ccccccccca attgtactat tctacatct gtataacatt tgtgttcatt 300
gtcattggaa cacctagaca ctctagtct acatcatatt attgatcggc 350

<210> 25467
<211> 271
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25467

agcttatatt aattttctaa ttaatggatt ccaagacaat caagcacctt ttggttaaga 60
aaaaaaatta aaactcaatt caacctttta agacaaattt tatatatata tatacacaca 120
cacacagtat tgaagtaaaa ttatccaaaa agtaaaattt ataccctcaa cagtaagcag 180
taaattggat atcattaaaa tctgcatata ttaagacca naaatgctaa atattgngga 240
tgttatggga gaagaagtgt tataaaatat t 271

<210> 25468
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25468

gggggtcaca actaattccc agggaggggc aggccactaa ccattacaaa ctttctaaac 60
aaaccaaaaa tcagcctcag gggcccagct ggatcagaac cgaaagtcac accaagtccc 120

aacgtctaca agactgaaat ctttgtggag gtcgtgaaac agagtaacca tgaacaaat 180
ggcagccttc actcaatccc tgggaaaggg ttaagagtag actacgatga acccatagca 240
ttcagactcg ctggaaaact caaatggctt gacatgtgtg gtcgggggtat aaaaatatgg 300
tttgttgata gggagcatga ngttacgggg cgttggattg attagaaacc 350

<210> 25469
<211> 541
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25469

agcncnncgc ggcgtcgggg gacgaggctg gatctatcgn ancccccaa cnntagccaa 60
aaatccgaan cacgngcanc catcnccta agagncctat tacgaggatg atgtcgagcc 120
acgnncncag ggggacaggg agtatttgaa tgctcaaaat cacaatactg agaatgtca 180
aatgcacag aatgatcagg atgcacacta tgcctaacta atctatgaaa ggttctatct 240
atttcaggat caaaggggtg gaaatcacct ggattgcccc taggcatgca ctatatgcag 300
caaatcatgg atctctcaac aagcacctaa caagggggga aaactatagc tatactcaaa 360
tgatatccaa acgagctgaa attttgagag caaccaccct aaatcatgaa aatatagcac 420
acaagagctc aaacaaaaga tcgaagtcca actatgaaaa ccacctaagc aaagggtaga 480
aaaacaggac gacaacactt gaaaacaaaa caaacctaga aatgactgac ttttcagggc 540
g 541

<210> 25470
<211> 305
<212> DNA
<213> Glycine max

<400> 25470

cacatccctc ctatctgctc cctctgtttc cacattctta tcattgcaca tgtcacaccc 60
actatactga tttggattga atcctataaa atacagctca tgtagattta tccattcgag 120
attgcttaaa tttgaccgtt tttgactgtt tgattatttc acatatccaa gctggtattt 180
atctacgcac cccattaaac tgttagttac gtgagaaaac aaagaagaac tttactctat 240

tttggcctca cctcgcacag tgcttgatgt gtattgatac ttatacacgt gcattgataa 300
ctgaa 305

<210> 25471
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25471

gaaaaaaaa tagaaatgaa agacagtccg ggaaaatctc aaggtttttag gtagaattat 60
ctgatatgtg tgggtatttat attttttccc ttataaaatc tatanaaaat tataactaaaa 120
aataatccat taaaatctgt atgaatttta atgaaagata gttataaaaa atcttaattg 180
aatatcatca aattttattg atattaaaaa ataattctaa atatcttgat tgaatactat 240
aagatttttt tatcttattt aaaagtnttg attgaatatc aca 283

<210> 25472
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25472

gcattatagt agtgtcatcc aatacatctt tgatgtctct gatttttagaa tgaacctcta 60
tattaaggga ttggtactct atattgttat tctttgatga agagtcactct tccaagagca 120
gtcgaattat ctaacagatc aagataagaa acctatatta tatttgcatg caaaaaatat 180
ctataaactc acatggatct acattgatag tctttattaa cttttaagta atcaaagtgt 240
attaagagaa tttcatatag acaaactagt agaactttat taataaaatt gaagaacaca 300
ggatgcacc aagaattaat gtccaaccaaaa aaacatgca catatcaaga gtcaactatt 360
acctttctaa aagattcatt ggaagtcgtt catccaatac atccttggtg cactgagaaa 420
agcttganaa actaaagatt agaatacaac tggagcaggg ttaatgccg 469

<210> 25473
<211> 177
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25473

taattttccg ggctctcgtg tccgtanaat gcattcatat catgcatcgc ataagcatct 60
cttcataaca tcataatgaa catatcattc ctgcatttgt ccgttatcat attccagcct 120
cacattttgc atgagtcatg gcatcatcat gcatatgncg ttcaacaaac ttttgat 177

<210> 25474
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25474

cctcaagaag aaaggaattc acccagtgc tacaagtatc tgcaggcaca nataaatcct 60
tggctgagct caagagactt ttaaaaggtc taatctgaga ttccttatga aaaaaattcc 120
agcatagcca gttagagaaa gagagcctat atggccaata attattcttg ctgcacttta 180
tgtaaataat taggcatagt ataataaagc aagcttattt tgcaaataaa ttggtcttgt 240
ctttagtaaa aataaactgg agagagacaa attatgggtc ataacagcta cagcacacct 300
gttattagat tccaacctca tccattgttc ttgagcttct gctgatgacc ccatattt 358

<210> 25475
<211> 80
<212> DNA
<213> Glycine max

<400> 25475
agcttttttc cctctctctc tctcacgttg ccattccctt cttcttcctc accatggaac 60
ctccatcaaa gctccaacct 80

<210> 25476
<211> 534
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25476

agcgggtggcc ccagcccgtg ttcctcagca tcatgtacna cgcgcacata aanactcacg 60
cgngaaggca cgtaaccac catctatgca tagtataaca tttgttaatg tccactatca 120

tggctatcat ggcgggtgttt atcattaggg gtgctacttg agctgccaga tccctccacc 180
 tttgggcgta ttctttgaaa gattcatgct cttctttaca tatgtnatgt agttgcattc 240
 tatccagagc catatcaaaa ttatactgat actgccaat gaaggcaacc attatgtcct 300
 tccaagaatg gactcaagaa ggttcagat tagtatacca ggagatagct tccccagtaa 360
 tactttccta gaagaaatgc atcaataatt cttcatcttt cccgtatgtc cctattttcc 420
 tacagtacat actcaagtga ttcttgggac aagtagtccc cttgtacttc aaagggataa 480
 cgacatcaag tactaggcac aactcttgca tgtcaccgaa acataaacct cccn 534

<210> 25477
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25477

tngcaattga tgtcaaatta cttgacctta gcacgggtca ccaagaataa tttgcactan 60
 aatcagaagg tacggccaaa gaagattctt tatgaaatat atctcgatac gagtcctcgc 120
 actatagaat atcaacattt gctaggaaca agaaatcacg aacaaccata ctatctatgc 180
 aattaaggca aaacaccata ctacaagcat atccagaatt ataaggttct tatgataagt 240
 atacaacata catataagaa gtgaaaatta aatagttaat aaggatgtat taaggaatca 300
 caaacttcaa ccactacatt cagcactaca cacaaataaa gggagtaagt atcatcattt 360
 cacatcaaga agaccactct tccaacatat ttggtcacag t 401

<210> 25478
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25478

agcttactat catggtggaa ggtgaagggg gagaggacaa gtcacatagt gaaagcaaga 60
 gcaagagaga nagtgtggtc ggcagagggtg ccacacactn ttaagtaacc atatctcatg 120
 agaactcact atcaganaga caacaccaag ccatggatca ttcaccccat gatcaaaaca 180
 cctcccacta ggccccacct tcaatgctgg ggattacaat tcaacacgag atttgggtgg 240

tgacaaatat ccaaactgta tcagcagact aatacaatag tacattatga tcaaataagg 300
 tttatctcaa gatgtaaatn tgggttaacc atttgaaact aatcgtgtaa ttcaccaaaa 360
 ttacagcata naaaagaaaa atcatatgag tatctcacia gatgcagaaa caggatttga 420
 caaaattcaa taccatttca tgataaataa ct 452

<210> 25479
 <211> 479
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25479

nggggagttt tcttgatact acgcgatnct cnaagatcnn gggatctcta aagacgacct 60
 gcaggcgtgc aaccttttaa tanggttaaa nggctaccat caccttcttg gaccttatta 120
 tccaaccttg tccaattaat tattaaaggc atttcgattc aaaaagggtc ttctaagttt 180
 aatacattta atatataacc tattttctaa tgtcacatcc tataagagcg tgggtgtccc 240
 gtgtcctcta gcatgagggt cttcatagtc attcacctat tcatctgctc ccnogaacac 300
 aaagtcaaga tcatcatatg atccanacac aaacaacaaa ccgggagtga gtatcacatt 360
 tctactacta gagagaaaaa cacaacatat cgtaggcaca tcaatttact tagcatatct 420
 cacatttttc atcactttgt cattcatata tcacactttt attcattaat acaaccttn 479

<210> 25480
 <211> 352
 <212> DNA
 <213> Glycine max
 <223> unsure at all n-locations
 <400> 25480

agctngatat atttttcntt ctggaacnga taaagcagca tgtagtaatg tgaaagggtt 60
 cctcatatca caatatgtag caattaaaga aatgggtaaa gttgattttt ataaaagcct 120
 ctcgtagagg aggctttaaa atctgcagtt gattttataa aggatatacg atgatctcct 180
 cttcattact tagttgtcaa gtgttattca ttaacgaacg gcactcaaaa ttaccaggat 240
 atttatoget aatctagaaa ttttagtttg atctacgac cagtttgatc taaaataaac 300
 aaaaactgcc atgtaccata ctttattact atgacatctt cttttcattc tt 352

<210> 25481
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25481

tgcgagcgat tttttgtttg ttgtcatatn nnnaaaatat gttcttgctc tgtttagctt 60
 gccataatta tctcgttctt ttataataca aaatcttttc cccaaaatct ctttttttcc 120
 cttgtcattt caattttaat aagagcagta tttcttatac ctgacatttg ttcaacaaca 180
 atgtaggtaa atctgcctat gcaaccttca caatntatct agttgagtgt ggaattctta 240
 gatacagaat ccttggtggc ggcgggaaat ctaatttttt ccatatccat ttttatcctt 300
 aataagacta gtcattctta tatctgacct ttggtttaca atagtatggt tatatcttct 360
 tgagatctct ta 372

<210> 25482
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 25482

agcttgttta tagaattata agagagacat acatcttctt taatgatatt ggtggaacac 60
 atagatatat aaagtaaaat gatatatctt tttctaaaca atttaaatta aagatatcct 120
 atagtccaat aattccttgt gctaatacaa tccaaggaaa gacattatat aagtagaaca 180
 taatttatgt gtaaagatgt ttctcgtgaa attgttttca cagcaaaaaa attgaaacac 240
 gaatattcca tgggtgggagt gttaaataa ttgaagatat acacattgac acattaaatt 300
 gtgcctacca aatttgtttt aaaaatatat tatgggggaa aaattacaat aaattca 357

<210> 25483
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25483

ttattaaccg tgaccattgc ctaatggaag gccttctctg cttaaaaggg gtttccaacc 60

aacctcttca acctaattgg tggtaattcc tgcagggggc ttgcctcgat ccacctagtg 120
aagtaattgg ttgtcactag tagggatatt gactactcct tgggccttcg atagtgggtca 180
catgttgtcc attccccaca tggcaaaaag gccaggggag ctcaaaatat ggaagttgtc 240
aggaggggatg cgtggaatgt ctaccaactc ttggcatcgt ctgcatctct tgatgaagtc 300
aaggggcatc ngccctgagt ggtgggcat agtaaccag attgcaccaa ctttgggtgca 360
aaggatcttc ccctgatata gacacgcttt ctctgg 397

<210> 25484
<211> 530
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25484

agggggcccc nccccgggtg gtatggctag tactacgaac acngaccata gactctaagc 60
ttgtataatg agaattgtcc ttcnacaaga ttttttattg ttatctgaag tctgagagct 120
cggggcagat aagtctgcta aagctggagg tggngatgaa gtagaagatg tagggatgcc 180
aactattggg gtaaaggaag aggaaatatt agctactctg atcttgggtct tcttgtctc 240
tggaaaatta actgtttggg cattcacatt ccaacagttc cttatgatatt aagctaagtc 300
aatggctggg cttaggtttt cataggaggg aagggcatca gatcccaact ccttcgatct 360
acacaaggct gtgattaaaa gtgggaagcc taatctagaa gagttaaaact aagcgatcat 420
ggtcatttgt ccagagatca aaccgccaat ggtcattgtc catccttgta ataagccata 480
gacgaacctt gctctgntct gtgtcanatt tgaagtgcgt gaggtaggag 530

<210> 25485
<211> 227
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25485

ccaatcaatg gggcaaaaca caccaaatga taatgaagat ggatgggtca cattctcata 60
aaggtaaact catcactgtc aaattgagct ttcaaaacta tcatgacata tataggagaa 120
tcaaggattt caagtcacan aatgtcaaga acttttattt tcaaaacaat taccatttcc 180

ttgaacatat gctataattc aaagaaaaac atgcaaagtt gtacatg

227

<210> 25486
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25486

ttgcttggtta tgtctcagaa agaggctntg agatggaggg accagtcagt gccagcctc 60
ataggtggga agaggctggt gagtccaagg agcaagctga gcagtggaaa tgcaccccaa 120
taagtcaggg ctgggagaag ccagccaggg cccagcaca tggccacagg gccttataga 180
ccacgggata aggactctgg ggtttgttcc acaactaatg agaagctctt tgaaagactg 240
ggggttttga agaagacaat gtcatgatct cacttatngt ttagaagaat ctcttaactg 300
taaatanggc agaggagaaa tagcanaaga agtttgggtg aacatcagct ccaaaactga 360
taggggctta cac 373

<210> 25487
<211> 64
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25487

agctcggacc cgggatctct aagtcacctg cagcatgctt ctngttattc ttacagcacc 60
aaca 64

<210> 25488
<211> 226
<212> DNA
<213> Glycine max

<400> 25488
gaatataaat aagagcacat ccagtggat cctattataa tcactctgat catctgtatt 60
cctatatata tgtatgaatt cgggaggaat gggtacatct gcaatcgcca gcacaatatt 120
taaccataa tctatctcgt ctgtcttgca tatatgaaca tattatgaca aacgagttaa 180
cagacattgg gctatctaata caaccatggg tgtctacctt acaaga 226

<210> 25489
 <211> 78
 <212> DNA
 <213> Glycine max

<400> 25489

agcttcatgc tgaagtatgt atggcaaaaa ttcattactg tggttcaaca catacaagtg 60
 agctggtaac aaatcttc 78

<210> 25490
 <211> 307
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25490

agtttnattt anactccaca ccccgacccc tcttctgctc tgcttctgt gggaggaacc 60
 ttacaaatnc caaatcatgt cagccaacgt atttaaagta ctgaaaacat attttangaa 120
 taaaatctga agaaaaatgc gtttctatg cctgngtcac atcagtttgg gaaaaaatct 180
 gatgcaagaa gataaaatgc cagctccagt agcagaaacc aactaccaca tcaaagtttg 240
 tcattctgct tttggttgaa agcatggcan gcaagcggat ctatagtga gcccgctgat 300
 catttta 307

<210> 25491
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 25491

agcttgttct gggtaactat cagagacccc actctgaggg agagctaatt ccccaaaga 60
 aacctgagat gcgctcaggc aggggaatgg atggaaagtg cacaaaacac acccttagct 120
 cttttcttct tccaggtccc ttaatccctc caaggaggt tctcacaata cctgacagat 180
 ttgaaagact tgacttctag acctgttctt gagatgggta atgtttctgt ctgaataaca 240
 gagagcctgg gatthttgctg cttatggtct gagagctggg tgaggatgaa gaaagaaaac 300
 ttctagtga tgcagaagtt gtactgtgca cttcacattc atttatctct tttaaataca 360

accaaagccc ttggacatat atattattat tccta

395

<210> 25492

<211> 135

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25492

agcttggctct taagcangta caaccagaa gtgtggggta attaatacca ctggaacaac 60

ccataactaa ttaatggagg acaggagtca ctaaatacat gttccagtcc ctgcatctgc 120

agtggagaac aactt 135

<210> 25493

<211> 332

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25493

agctgtatta tgcgttcttt atttagangn acaagccaca tgcaactgat gtgtgtgtgt 60

ggctcaagga aatgtcaa atntacattnt ttccatgcag ctctccactt gttgaaaaga 120

cttggccttt tccctactgc tctgtagtgc cttccttgcc atanataata cattcatatn 180

tctagatctg tttctggact gtctattcag ttccattaat gtgtatgtgt gtaattaatc 240

ttgatttctg atagtgttnc atcttgttct ttaattttct atttatctca actgggtttt 300

gggggaactg gtggtgtttg gttacatgaa ta 332

<210> 25494

<211> 357

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25494

agcttccatt gacttgtatc agatttccag gtttgtcttc agtatcaatg aacattttaga 60

ggataataat agatctctga actgtatgac actatatgga ctacgtctctg tttgttgttc 120

tccacaaagt agtcattntc caaacaacag cagcaatgtg gaagatgaaa ttataatcac 180

aatagactgg agaccaagag agatctgaag cataatagag tctctccagt ggaatgaaca 240

taacctgtag catcccttan gaaagttgta gataagccaa tttgtgttaa aagcanatng 300
gtcatcaaca ccccagaaag tgtccctata agtgagccga tctctggtat agtcact 357

<210> 25495
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25495

agcccnact ggcttaccgg ctagnngcatg cannccttang acnaaccntn accgagangc 60
gtagacatga tcatgtcagg ctnggnnggt ttttgattta tggatgcccc cattatnggc 120
tgacgagatg ctaaagtatg attggaattt tatcaaaact ggcatgcatg ccctatgcaa 180
cgctcagtat aaattttatg gcatgtgatg ctgggctcac gatcatttct ctatttagtc 240
aaccaaatgt tccaaaatat gtctttatcc atttggcatt catccaagcc atctcggcgt 300
tgggaaattc acgcattcac cttaggtgtc acacattttt tttcaaaact agcttgacag 360
caattttctt caagaaagtt gaatcatctt ttcaaagctg tggttttcac aacactatgg 420
ctttttctcc ttttttctct tattaattga attcttttct gcg 463

<210> 25496
<211> 57
<212> DNA
<213> Glycine max

<400> 25496

tataatttct ttctgagccg atcttgtgga gacttcttgc aaaccgcact tatctcc 57

<210> 25497
<211> 156
<212> DNA
<213> Glycine max

<400> 25497

caagttctaa gggcaacagt acattttccc aatgctaaag tcacctaacc aggcacacaa 60
atggttgatc agaccaagag catacaaact ttaagcacta aaagaagcat tgaacacaag 120
aaacacaatc aattagatat taaagtaatt acatca 156

<210> 25498
 <211> 477
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25498

cctcggagcc attcctgcga aggcaaacat ttgttatggt agttttacca gngggacggt 60
 actctgtaaa gcagaaatgg catataacct cctcccataa atacaaacat caatgtaaat 120
 ntagagtaag cttatgcgca tacttcctta caaatgttct cttgcacaag acattctatt 180
 aaccgaaaaa atgcacccat atacaatcaa ggcagctccg ttacctagat tatntacacg 240
 tacttctaag gtgtatntgt tacttacatc acacacatct ccttggctaa attcacatac 300
 atgcataccc aaagcattnt ggggtaccaa aaattgcaca tgtacacctc ttggtatttc 360
 taatacctat acatacacia actntatgat gaatcttgac tatctacaca ataaggtgct 420
 acatttcattg ctcttttcaa gttttngtac ctaaagccgc atgcaaattc cagtatg 477

<210> 25499
 <211> 53
 <212> DNA
 <213> Glycine max

<400> 25499

agttttattac taaagtctca ggaccagaag gatgactttc ccctttgctg gac 53

<210> 25500
 <211> 274
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25500

agcttggttan tttttccncc tcnanaacac agatatggtc tgatgtgaaa cagagaacan 60
 aaccaggaca ttatttgtaa gcccaaacat gacggtttgc aaattggccc aagctgtaga 120
 agatataagc agctattggt aggaggtttt ttgtagtggg agaacaagtc tgccatagat 180
 atgaccttca atgtgtctgc tttcccacat tatgtgacgg tctggagaaa tttaatatgt 240
 gtgtgtgtgt gtgtgtgtgt gtgtgagtga gtgt 274

<210> 25501
 <211> 83
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25501

agcnaatggn ctgatcacc attgntgtgt gctgtagga actttaccat ngggaaatcc 60
 cttgtttcct tagaacctgg ata 83

<210> 25502
 <211> 293
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25502

atctttgttg cccatagggt aaatacctag aacctagtct aatctgatga ctgcgtatag 60
 cagttaacct ctacagtgat cagctgactg tattcccgta attggctcgc tgtactgtgt 120
 gactcaagct gtgtctactg aactaccatg agcttcact gaggaagaca agaccatgag 180
 cggatcctta cattatacac ttagctctca cactgcatct caagagcccc atttgcttct 240
 atgcataatt catcccatgg gacanaagac aagcgagttc atatgatcaa atg 293

<210> 25503
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25503

agctttttgt ctttttttat ccagangcta atatgaatga ttcccaaact tgtgcacatt 60
 gaaatcacca acaggtcttt caaaaaatac tgatgtgggt tgaagacatt gtgatttaat 120
 tgttattggg tatgacttga gcattagtat tttaaaaatc ttgtagatga tttaatttta 180
 gccataaatg tatcccatag tttgtttatc ccataatttc tgattcttcc cacatcaaga 240
 atcaggtgac atcactgaag attgtacaag tattaagttg ataattagac aatataaaaa 300
 agcattatct caatatatct aacattgtaa tgaaatggag atttttgaaa tataaanatt 360
 actaaagctt actcatgaag aaataaataa cctgaatagc cctatatcta at 412

<210> 25504
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25504

agcttctctgg tcattatgtg gccttgngtg gagagaagcc tctgaagctt atcagctagt 60
 ctcagcgtgt tttacgttga gcaattcaga tagctaagcc agctctctgc taaatgaggg 120
 aggaaataag ccccgagctg atctattcag tctgcctagc cctgctttga atggagttgt 180
 tattcaagtg tttcttataa gactatgtgc ttgtgctaca agcacaccga agataatttg 240
 cgtctcatta atatatgagt gttcctgtcc ccacggctgt tctgctgcc aagcagctga 300
 gatttctgcc ctcattattca gcctctgaga gcctganga ggtcccgggt cttcctggcc 360
 tcacagcttg actggatagg cacaat 386

<210> 25505
 <211> 552
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25505

cctccacagg cnnccggcggg agtggaggat gaaccttaga tgancccata gaccaccnca 60
 catatagaaa ctcaagcttg cctcanagag gtccaggaag gacaagctgt cgaaggatct 120
 atttcactc ctgagtatga cagtcaccgc tggaagagcg ccgtacacca gcagcgcttc 180
 gaggccatca agggatggtc atttctccgg gagtgcgcg accagctcag ggatgacaag 240
 tatacggatt tccaggagga gataggctgc cggcgggtggg catcactagt tcccccatg 300
 gccaagttcg atccagatat agtcctcgaa tnttatgcc atgcttggcc aacagaagag 360
 ggcgtgcgtg acatgaggtc ctccgtaagg ggtcaatgga tcccgtttga tgccgatgct 420
 atcggccagc tcctgagata tccgttagtg ctggaagaag ccangagtgc gagtatggcc 480
 agaggaagaa ccggtctgat gggttcgatg aagaggccat cactcaattg ctatgtatac 540
 cggngcaaga ag 552

<210> 25506
 <211> 174
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25506

gaaaccaaac ottattccaa ataataaaaa acaaaccaca tagtatcaaa gcataaaaag 60
 ttgaaatcca aattctacaa gataaataaa gtacttaaca ttataatcta aattctaaga 120
 aactaaatag ccaaaataca cggcttataa gtgacatant aatagaaact gaat 174

<210> 25507
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25507

caccagctc gcccaggcga gcaaagttgc tttctccagt tttacagcct tctggaggaa 60
 tcgtctggag ggcccaagtg ggcttggtg ctatttgcac ccncattntt actaaacaca 120
 cccctaccc tttttttggt ggttctttnt tcgtaaagtt acggaaactt acgactttcg 180
 taacgatact tgttttcttt ccgtaatgtt atggaacctt gcggattaca taatcatccc 240
 ctttttgact tacggaatgt tacggaacct tactatntgt gcaacgatgc ttccttttaa 300
 ttccggtgtg tcacggaacc ttacggattg tgcacataa ttttcttttg attttcggca 360
 cgtcacggaa ttttcacaaa tcgcctaatt atgggtgcc aagcactcaa aatgacacaa 420
 cacaagttgc atgccaccaa gcanatgtcc ccgaacgaaa ttatggtg 468

<210> 25508
 <211> 373
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25508

cctctaacca ccaatggggt ggggtgcacaa ggaacaaccg cataataatc tgccaccacc 60
 taaacctaatt ggtaaaacct aacaatggct cttccttttg cagaccacca ccaaataatt 120
 gtcacacaat tcttccaatc atagtaggtg cactaatgat tggcctaccg tccaccctta 180

tgccatgctg cagtgtctaca tntcttagtg taattgtcta ttctcaacaa gaagatgaaa 240
 agtttgtgct ctggctccat cactcaaaag tgagtcacta gtgatgataa ttttgagtgc 300
 ataaatttgc acattgcaaa cccgcatgag caagcacgac tcattaagga taagagccgg 360
 catgatgaca aag 373

<210> 25509
 <211> 110
 <212> DNA
 <213> Glycine max

<400> 25509

ttgcttattt ttttcataag tatgaaaacc aggggacatc tgatctgctc attgaccgcc 60
 tttacaatcg ctagctaatt cgaaagtaat ctgctgtgag ctctggctat 110

<210> 25510
 <211> 235
 <212> DNA
 <213> Glycine max

<400> 25510

ctgcaattga cctaattggg gtttttcatt cattagctct tcctgaaaca aggatttctg 60
 cttctcccat gattgaaact tcatttgggt cttcttttcc ctctttgaga cctcttgaca 120
 gcttgtggct gactcagccg cttgtaactt agcaacctcc atctctttcc tcagtgcagc 180
 attttccacc tcaagtttcc ggacatcagc attggttctt tctacctgtg cactc 235

<210> 25511
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25511

agccaccccg cctcgcgcc atgacacaag cngtgccagn agtacgngca cnatacaata 60
 ctcaagctgg ggacaaccaa tattcttgtt cttgccaagc catttctgag ttttatataa 120
 ataagaagat nnggggggtt gaggacacaa tgactgacac tctatcgtct taaaaacgaa 180
 taagagaatt caacacgtag tgttttctct tgatatgaac aaagttttta gacagactct 240
 ctaaactcta caagaattta caaagagagt tttttatgca aataatgaaa tagtgaacac 300

ttcaaatcaa acttcatgtc ttcaaatctt ctagtattta tttgcctctt tcaatcaatt 360
 atatgtagtc tctaaactga catatttcct ctctttaagc ttgcatttga agaaatggcc 420
 attggggtat tcaacaagtg tattaaatgc atgtacttct tcatgttgag aaaccactct 480
 acgtcgctga catgttgaac actttagcta gaaaacactt ctttttgtgc acaacaagtc 540
 tatgcg 546

<210> 25512
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25512

ccaaaaagaa gtaatataac tcagtgtaga taattgggtg tttccaagc catggaactc 60
 aaacatgtgt agattaaaaa atgagaggac ctgatatcat gagacttcac atgtngtatt 120
 caggatcaga cccatctgac ttgataaatc attantgttc attacagaga cacatacgac 180
 ccttttttcc ctaattcttc tgtcatggct tagttgaaaa tcaaaaactgt caaagtctaa 240
 gagaagtttc aattgtaggg ttcottgtga caaacaatc tctctggcaa agtctcagag 300
 tacatctatt tggttcattt gttagaactc tcctcattt tatcataaac accttttgac 360
 ggcatgctct cctngaagtt atcatgtgaa aatagagagt n 401

<210> 25513
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25513

agcttctatc ttattccaaa tgtaaattct gtctcaaact gttagcatga ctactgcatt 60
 ntacctcagt tctcctctac tganacatcc tctcaacca gtgaggataa cagagataag 120
 tctgatgaag atataagaca taattccaag atttcagatc taagtcatca cttgcaaatt 180
 cagcgattat ttaaatttgc cattcttcat aaactagaac aatatctgga aattgtctct 240
 ctgtctctgt ctcacacaca cacacacgtg cacacacaca taaaaatcta atgctacctc 300
 actgtcccaa ttcacaaat 319

<210> 25514
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25514

agctttgtta tgggataacc caagaatact ccagaagagg ggganagaga cattgaacan 60
 natttagagg caatattgaa caagtanaaa taacttanaa aatcacagat agctgagtta 120
 tacctaagat ttactcagga atgtggaatt cagaaaataa agtagagaag agagatttct 180
 tanaattaaa tgatttatta aaatgaaatc aattttctgt gaagttggaa ctagggagtc 240
 tcagatgcaa tggataactc ctgcaaaaat gatgaggatg gtgatgataa tgcttgctaa 300
 aatttattgt gcacttactg tgtgtcangg cactaactta ctaacttgct cttgacttgc 360
 gtgagcttgt nntgattgac acctcagtga agtcattct acatgat 407

<210> 25515
 <211> 470
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25515

cgggcgacat ggcttgtant ctacggnaaa natgcacgna cccgggatcc ttagagncca 60
 cctgcggcat gcaagcttac taactntcca tccancgaga aaagggagag gctcatgcac 120
 aanngcctag gccatngcac cccaaattct gacgatataa tcaattcaat tgctagaagc 180
 gtaaattgta tagttcatag tgttacatgc agttgaaaca attgtctgat taagagaata 240
 ctttttgatc tactacagga gtgtacatat cgatcaattc agatagaata gcttctaatt 300
 gattatatat tgactgaatt gctggattaa ataaactgac ttgtctgttt aaataaggtc 360
 agtccgaata aactaatttc aaactgatat aaacaagtcc attcaatcaa taccaaacac 420
 gcttctacaa actggagtat tttacaacat actcgacaac agaatcacct 470

<210> 25516
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25516

agctntttcta anaaaaaata attaataatt aaatctctga agtggatata ttcttcctan 60
atcaatggca cattgtctnt gttaactntg ttgttggtat ttccttttaa tagtacgttt 120
gctgtttgaa cactcgggtct aacttcagtt cattcaaaaa cagttcattt tgaaaggaac 180
aataaggaac aaacgaaata cacacatgat atggattggc tgtatcccca ccaaacttca 240
acttgaattc tatctaccag aattcccaca tattgtggga gggaaccag gggaggtaat 300
tgaatcatgg nggctgatct ttcccatgct attcttctga tagcgaataa gtctcacaag 360
atctgatggg tttatc 376

<210> 25517
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25517

tgagaagcta acgctntaac tattaacacc cttctaataa cttaaactcac ctcttgaaa 60
atacttatgg ataaaaataac acaacaaata atcaaacatc aaacataatt attaataata 120
tgtagatata tatatatata tatatatata tatatatata tatatatata tatatatata 180
tatatatata tatatatcaa ggggtgacaa ctctcccacc catttataaa tgtcgcccat 240
gtatattacc ttactcaaac aaagatggat gagctactcg gatatatctt tcctatatcc 300
acatggcatc atattctgat gcacactcct atatactttt accaataaaa atctttcctc 360
ttaagtgtat ggcgcatata tcaaataaaa gcatgattct act 403

<210> 25518
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25518

agcttatgct tatatttccc tacgaacgtt cacttgcaca agacatccta ttaactaaga 60
aaaatgcacc cacatacaat caaggtagct tccttaccta gattatttac atgtacttcc 120

aaagtgtatt tgttatttac atcatacacg ccattctgtc aaaattttaca cacatgcata 180
 ctcaaagcat ttctgggtac caaaaattgc acatgcgctc atcttggtat ttctaataac 240
 tatacatata caaacttcat gatgaatctt gactatctac acaataaagt gctacatttc 300
 atgcctttgt tttcaagttt ttgctacctt aagccgcatg caaattcaag catattntcc 360
 ttgctaact aaaattgtat tcaaattata tatatatata tttatggaat atgtgttctt 420
 tcattca 427

<210> 25519
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25519

agctnchnatg ttattacttt cttgagaagc tagagcttag cgacacacac ccttctaaaa 60
 actaagctca cctccttgag aagcttcctt gagaagctag agcttagcta cacacaccca 120
 tctaaaaact aagatcacct ccttgacaaa atacaggaaa atacaaacaa aaagtcctta 180
 ctacgaagac tactcaaaat gccctgaaat acaaggatta aaccctttac tactagaatg 240
 gccaaaatac aaggcccaaa agaaggataa agctattcta atattttaca agaagagtgg 300
 atccaacctt gactcatggg ctcaaaaaat ctaccctaag gttcatgaga accctagggc 360
 cttcttttagt agctctagcc caagcctctt ggagtcttcc atccaatacc c 411

<210> 25520
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 25520

agcttcttag tttatatgat gcagatggag ccattctctc aattaatatt ttggcttcag 60
 caggagtcac gtctccaagg gctccaccac tagcagcatc tatcatactt ctctccatat 120
 tactgagtcc ttcataaaaa tattggagaa gaagttgttc tgaaatctga tgggtgggggc 180
 aactggcaca tagtttctta aatctctccc gagactcata caggctctct ccaactgagtt 240
 gtctaatacc tgagatatcc ttcctgatgg ctgtgggcct ggaaacaagg aataatatct 300
 ctaagaatac tctcttaaag tcatcccacc tcgtgatgga ccttggagca agtaatacac 360

cagtcctttg ccactcctct aatgaatgac gaaaaccttc agaaaattgg acctcttgac 420
at 422

<210> 25521
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25521

agctnannat tttattataa ttttttaact nactnntata agattacttt cagacgtaat 60
tacaatcttt taatgctaata tnnnttagaa acttgaaaaa tctaagacag tgtatattgt 120
gccaaagaaat taaaaaaact ttgatttgca aatattgtct gacttggttat ataataccct 180
cttgtcccggt gaaccagtta agaccggcat gataaagcat attcacagga gaaaactttg 240
ctagttgttg accaagcaaa cagtgatagt tctctattca taacattaag tctgtccaca 300
ctaagcatgc aaattgaaca tactcttgat gtacaaagga cagtaagtat caatttaaca 360
aaaaaatcaa aaggattctg tggcctgttt gaatcccttc agcttttctaa aacaagttta 420
gactacttat aaatca 436

<210> 25522
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25522

cgaccgcgaa agacaaagca acacaaagaa caaaacgaca acaccaaaaa acacaaagag 60
gggnnttgat cctcgacacg tcattnaaaa naccgggcn gtaanagaag acagagcagg 120
caactttata tcaacaagaa caccgaagg ggcaacagag caaaacaccc cagctaaaaa 180
catacaggac ccacgaacct aacatgaggg caaaagacat caaacgaca aaaccgaaac 240
cccggatatc tccggggccg agaagagcaa gcacgcaatg gccaggcaac aatcggcgaa 300
aaccgactcc cgacaaggaa gaacaaccga ccatccacag gcagccccag aggaaaagca 360
aaccgacacc caaccactga ccacagaaca aggcataaac gcccacaca agctccggcc 420
ccggaaaacc acccacagga acgcgcgaaa caacacacga gggcaccccc cac 473

<210> 25523
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25523

agctttttat tccatacttt ntagcttcaa tgcgagaaga cgtactcatg gctaggaatc 60
 caaaatntgg ttttagaaaa gcatgaaaat tgggacttgc ttgcgagagt ttttactcga 120
 atttgttctg caccatgatt gatactctgc acctatgtaa cgtgggaaat gcttttcaat 180
 ggtatgtaga tatatgtgta aatataaggg gcatgaaatt ccttgccaag tgtgaatgat 240
 tattttccta catggatgta tgatagcatg gaattctctt ttgaatgcaa gtgtgtgcag 300
 gatgtaatta gctttccaat atgcatataa ataaatgtga 340

<210> 25524
 <211> 298
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25524

agctncttat ctcaagctca tcttgaggga gaagctgctc cttccatggc ttattcctta 60
 ctaccaagac tactcagaat gccccgaaat acaaggctaa aaccctatac tactggaatg 120
 accaaaatac aaggcccaga cgaaggaaat acctattcta atatttaca agataagcgg 180
 gtcatactt atcccatggg ctcgaaatct accctaacgc tcatgagaac cctagggcct 240
 taccttggat ctctaacca atctacgtgg tgtctttctc ccaatgccct tgcggggg 298

<210> 25525
 <211> 256
 <212> DNA
 <213> Glycine max

<400> 25525

agctttctct ttaatttatt gtcacagca tattggagaa tattcacagg caccttattc 60
 ttccccacca agaaactttg aaagcagttt ttgattgttg attccctcat caaacctgtc 120
 aaaccttcag caaccaaadc gaataataac ggggcctatg gatccctgg tgtggagcct 180

ctttcatgct taaattaatg gttgggctac cattcactag gattgataca gaagctgaag 240
 tgatgcttac atttac 256

<210> 25526
 <211> 409
 <212> DNA
 <213> Glycine max
 <400> 25526

agcaagggtt ttttgtattg gcaagaaact atggaatggc agagttgaat taataaagat 60
 caacaaagta tgaacttttag ttgaagcttc aaaggatata aaaccaattg gttgtatatg 120
 ggtttacaag acaataattg gagcttattg gaaggttgaa acctacaaaa ctgccttat 180
 tgccaagggga tattgtcaaa aggaaggtat agattatgac ataacttttg tcccatggcg 240
 atactcaa at caatttggat gcttcttgct atattagcat actatgatca tgaaatatga 300
 tatggatgtg gaaaatggct ttccttaatg gtgagctata ataacatgtg tgtatgacaa 360
 aacttgatgg atcacatcct agtcttatca taataaagtc tacaagttt 409

<210> 25527
 <211> 273
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25527

agattgtggt gactcgatcg agnccgcgctc ggacgaggcc gcgcgtat tctaaccocg 60
 aggggttagac agtgccttgc ctcaaatacc attattctcc ggattataga ggggcaaaaa 120
 agcccccgct tttttgctaa gtctctgaca gaacgctcga agtatatgcc gccggcctat 180
 tctccagcac attgagacat attcgtctgac ctctgaccat tttttaaatg gaaaagggtc 240
 cgacaactgt tcctggagaa ctaaaaactc ctc 273

<210> 25528
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25528

tatcttgtgc ttatttgtca cagacaaagg gatccaaata atataaacta aaaaattaat 60
aatcaaattg tattgataaa aaaatgtgca taaatcaagt acaaacgctt caaaacatag 120
taagatcaaa tagtcatttt agttgaaaat ataaaaagaa gggaaaaaaa ggcataagac 180
actaaagtta gaagctagat ttaagaacaa aatcaaaacc cttgaaattt aaggtgtgtg 240
agacagaact gaaccgaacg aattgtgact tttgaagagc aaatcaaagt gaaaataaat 300
agaaaagggt gattgttttg aactaagaaa tatatacttc atggcatggt gtttgaacag 360
tcatatcata atcgtcctct cactactaga aaaatgactn tntatgacga ttattaagt 419

<210> 25529
<211> 384
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25529

agcttctttt gtactttgaa caagcaatca actcctcttt cagaaccatg ctatgtgctc 60
gcgactgggc ctttctctcc cttegcgaact tgagttcatt attgctaccc catagagctc 120
cgcgaaattt gttccggcca tactcttctt tgcgagccct cttgggtctct tgttcaaggg 180
ctcttgcggt aattgcattc tcttcccgta acccggcaca ctcttccga acgtgtgtag 240
cagccaactt gaacttctcc ttggcgagtt tttcctttcc taactcgctn ttgagagctt 300
ggacttcttc gtctctctcc ggtgcttcaa aattctcttc gctgacgact ttttaacttg 360
cgagccaatc taaacctcgt atgc 384

<210> 25530
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25530

agcttggact tatgtttggt atgtngacgt ctaagcggag cggtcctttt gttgttacta 60
atgtctttcc ttatggtaca gttgagatca taagcgactc caciaacaag agcttcaagg 120
tcaatggaca ccgacttaag acattcctca caaaccttc tttagtggac gtagtggtag 180
aagagacttc tttactctc cctactcttg ctctaccatg acttatggag ttnttcttcc 240

ctacctcctt ctttacttct attacatttg tctgattcta tttgatgggt taattgcttg 300
 taatctttta attgtgccac attaacgaca atgtgttggt taagtatgga ggggtgttct 360
 ttggttatgg atctggtaat catgttaaatt taccttaatt 400

<210> 25531
 <211> 408
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25531

agctngagaa taaatttcga ccttgctggg cgggctgggt gcacgctgag tgagcacatc 60
 tctgactgat tatcttcaag ggttntccaa cccactaagc gagctatatg cctcgcttag 120
 caaatgccac tcgctgagca gatcagcctc actgagcgag tcatcagtta cttgaacctt 180
 ctcttctttg gcctaaaaca gagttggatt caacattaat tcatagaatg agagtatcta 240
 ctctataaaa tcacactaaa cataaaaata tgtataattc gtacaaaaag aaccataaat 300
 tggaggttaag gcgttatctc cttgcaaata ttcaacataa aactaactca tgaataacga 360
 ctaacaatga ctagattgag tcacgacgac atcgatggca cttccaga 408

<210> 25532
 <211> 203
 <212> DNA
 <213> Glycine max
 <400> 25532

taagcactgc agctgcagct tactttttta tttttaaaaa ttactgcagc ttaagaataa 60
 atgaacattt attatacaat gagatataag tggttacaat ggagaaagta atacacagag 120
 ggtatcaaaa catagtgaag ggggatgaaa aataactgaa acaaggatat acagatactt 180
 aaaagaccca gctgtatctt atc 203

<210> 25533
 <211> 527
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25533

aatggaactg atgacgctgn agtaacgtgc aanttagcta agaaccggga gcctctanag 60
 acgagccgca agcatgcaag cgacnannng taccttgaac aanccaacaa cncncncng 120
 gaggagcgtg tgtctatgcg ctgcgccacgt ggtcctcttt cttgccttc gcaactgtga 180
 gtacatatat gtgctacccc tatagagctc gcgcgaaatg tggatcgcg acatactttt 240
 tcgtggagag cccttgtgtg gtcttttgtc acgagggtt cgaggggaaa gatgctattc 300
 tttctcctga taaccggaca attctgtttt acgggtgtgtg tgcatgccca catgaacttc 360
 tccttagcga gattttcttc tcccgaaacgc ctctgagagc cgggacctcg ttctccctt 420
 tccgggcgtc ttagagttct ccgcgtgcc ctttgtactc tggctaggca tctaaaactc 480
 tgggtgcgaaa cttcagcctt cgtggtaccc ccataggggc catgccc 527

<210> 25534
 <211> 381
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25534

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 tgcgaactga accgaagttg tgtttcggcc gactggcatg ttctcatttt gtcggccagg 120
 aaaacattag ccacctcgg cataaaaaac atgattcacc gatattgaca ggagaagaaa 180
 aatgctagcc gacgtcggcc aggaaagatg accgaccgag gtctgaaaaa gaagcatgac 240
 cggatgactc cggtcgaaca tttcctaaca gatatcatcc aagtattatt cacggattga 300
 atagaaaaaa caatagccga catcggtagt tatatagccg tgactgatat ttntcggccg 360
 acattgcgca atttctttta c 381

<210> 25535
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25535

agcttttgc tttaatatct tatnnngnaa tttacaaaa attgcttccc tatcaattag 60
 catctcatcc actgctgcc ctgatgaaga tcccattaga tattggggaa tactgggcgg 120

atttctgcc aaggttactt cgaaggggtga aactccaatt gttaagtgga ctgatgtgtt 180
 gtagaaccat ttgaccaca taaaanattt tccccaggt gcaggtttat ggtgaacgaa 240
 cgccccgaag tattattcga caactctgtt gatgacctg atttgtccat ctgattgagg 300
 gtgataggca gaactcattt gcaatttcgt tccacgcaat cgaaagagct cttgccaaaa 360
 cttactcaca aataatgggt ctctatcaga cagcagactt cgaggcatac cat 413

<210> 25536
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25536

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 tatcgggtca tttcaccaat ttgagtcagg aaagacatgt acacgcattg ttaaaaacta 120
 tttagcaata acaatagcag caatagtgag tagtctacta ttactacttg accaaaaatc 180
 atgttgatct cgaatcccc tatctttctg ctctgccaca tagccagaga aaagattatt 240
 acaagttaag taacaaaatg agagaaacaa tgtaccangg atgacaataa tagattgagc 300
 tatatatcgc tattaataat aagtaaaaat atttcttgca tatggatagn cgaacctatc 360
 aaggatactg tttaatattc taaggggaac aatacag 397

<210> 25537
 <211> 227
 <212> DNA
 <213> Glycine max

<400> 25537

actttataac ttaaaatag acaaagtgtg atcatcttta caaaactaac aaagatatc 60
 tcaatacatc tgcaagaatc cgaactcgat ggcatactcc gaaatcatga agacatatga 120
 catgggtctca tgcgggtctg agagattata taatggcaac agtgcctctc acttatgaac 180
 acctacaaca tgcttaataa tagtttacca ctttacgtca ctacaac 227

<210> 25538
 <211> 413
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25538

ttgcttanac tttgttttagc ctaccatcct cagactgatg gccaaactga acggaccatt 60
cagtcggttg aggacctttt aaaagcatgt gtcttatagt agaagggag ttgggagagt 120
tttcttccat tgatagagtt cacttataat aacagttttc actctaccat tggcatggct 180
ccctatgaag ctttgtatgg tagaagggtg aagacacccc tatgttggtc aaagcccgga 240
gaaggcctca ccttatgacc agaagtggta caacaaacca ctgagaaagt taagttaatt 300
catgatagga tgagaacggc tcagagtatg caagaaagtt atcatgataa gaggaggaaa 360
gatttggaat tcgagggttg tgatcatgta ttcttaagag tcaactccgtg gac 413

<210> 25539

<211> 389

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25539

agcttgaaat ctactcanag cttaatcagc tgccacaaca aaatgaagcc ccacattaca 60
attcttattg atacttttat atggtttagc aagtggacaa aatgaccaa taatttgata 120
agaaccttcg gacaatccca ccgcaactgat taagaactta ctaagaagag caagaaacta 180
aggtagagct cataccttgt taactggcag cgtagaaagc tttgagcttt gagcaccac 240
gactgttcca agagcagtgt agggttttct tcgaccacaa gttccaacag tagtgtaggg 300
ttttctttga catttctttg ataggggggt ctatggattc cagcgagcga tttccgacag 360
tattgaaatc aatgtggggc aatgtgggt 389

<210> 25540

<211> 409

<212> DNA

<213> Glycine max

<400> 25540

agctagcatg ctttttgaac cctattcaaa tggcacaaac cttcaataag gcaaatataa 60
atccccaat cagccctata cccggagctc accaaatcct tcaacaaatc aaaagccaat 120

ccaaccttac cctcagccac aaacgcctca accagcgctc catatatcac cctatccacc 180
 aaacaaccct tccccttcat ctccctgaac aactcatacc cctcctgaac cctccccct 240
 ttgcccagcc ccacaatcat ggtagcatat gccttcacat ccggcaccac ccgggcccctc 300
 ttcatctact cccaaaccct cagacacgca tgcagattac ctgcaggcac cagaatcttc 360
 accagcgccg tgtatgcaga cacatccagc ttacacaacc tctccctta 409

<210> 25541
 <211> 375
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25541

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 cagacctcaa taatgaccaa cgagatgcaa aaacaacaag actccaaatc tgacgataat 120
 ggtgaaagcc tgaatatttc aaggggaagg agtgaaatga agggaacaag acgataaaag 180
 tccagatcaa ggtcaatgga ttcaaagaat ggccagaaaa caaagtccaa atgctgtaat 240
 tgtcacaaaa ttgggtcattt cgagaaagac tgcccagaca agatcaagaa aggatctttg 300
 gactatgttg acatgttgaa gcctctgaag gttatgacag tgcattgtgn tatataacct 360
 ctaataccaa aacac 375

<210> 25542
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25542

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 cgttgcgctt aacatcgga ctgagctcct tcattcgctt gttatctgcc atggctagat 120
 gaaagcacca atgaaaggga attactacaa attgaaggat gtactcgtnn tattcccgt 180
 ttgaaaagag aatcaacctc taagagtaca gtgtgtacaa ttagaaggac tgaatacaat 240
 agtcatagag agaaagagaa gaagaaagag aatgttcac accttcctac ctctcactac 300
 ccattctccc cctctaaata ccactattag ttggttacat aatccaccaa cctaaagttg 360

gtttttctct ctctcacact ctatctgtta cccatagtgg acacgtgtga tttagcanat 420
attcccccttc 430

<210> 25543
<211> 286
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25543

tcgttaagca ccgtaaataa acttccaagc atcggttgac aanctttcgt ctgtacgtca 60
gtttggggat gatatgctga actgaactta ggttgtgtac ctattgcttt aaaaatggct 120
ttccagaagt tgcttacaaa caaacgggtca cgatctgaaa caatggaaga tggaaatcca 180
tgcaatctta caatatcctg tagaaaaact gcagctactt cggtagcggg gaagggatgt 240
cctaattggt tgaagtgggc atattcagtg agtcgatcaa ccacca 286

<210> 25544
<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25544

nacggtgact gcnacccatg cagnacnntc aanntttaca agnaccgcgc aggcgataca 60
gtagagccga ccggcaggca ggcagactct tactgaaatc tttataagag gaaaccgggc 120
gcgggcgagg ataagcaagc tcacagaaac ccgatctcat agaggcgcgt tagaagagct 180
atgatctctt gctctaatat cctcggcaa atcggaactc gccaatctac aactatcgtg 240
tatacaccac tgactcgagt tgcgctgccc tgtctgtatc agaactagtc agaacaggac 300
acaattgtac acccaataga aagccccagg acagggtaga tataaatgga ccccccatc 360
ccgcacggcc aatgttacac gctatccaac cattaaacag gcgtccataa ttgctgcaga 420
agccacatac ttcactact acctgctagg atgctgaccg tgactacata aatctccacc 480
atcctgctca tgagagagac g 501

<210> 25545
<211> 416
<212> DNA

<213> Glycine max

<400> 25545

agctttctct ttgccatttc ctgcaaaggc aaacatttgg aaaattagtt ttaccaagaa 60
atgctactct taaaacaaaa atggcatata acctcctcca ataaacacaa acatcaatgt 120
aaatttagag caaacttatg cacatacttc tttacgaacg ttcacttgca caagacattc 180
ttataactaa gaaaaatgca cccatgtaca atcaaggcac cttcgttacc tagattatgt 240
atatgtactt ccaaggtgta ttttctacct acatcacatg cacttccttg gctaaattta 300
catacatgca tactcaaagc atttggggta ccaaaaattg cacatgtgca cattccggta 360
tttctaatac ttatgcatat acaaactttg tgatgaatct tggctatcta cacaat 416

<210> 25546

<211> 395

<212> DNA

<213> Glycine max

<400> 25546

agcttgctcg tatctctccc aggcgagcaa ggttgcttcc tacagaagca acagccttct 60
ggaggaatct tctggagggc ccaagtgggc ctagtgtgta tttgcacccc ctttctatt 120
tttttgtaat tctttttccg taacgttacg aaactttacg aatttcgtaa cgatacttat 180
tttccttccg taaggttacg aatccttacg gattatgtat ttactctttt ttacctttcg 240
aagaagttac gaaaactcac gcattgcaca aaaacacctc ttttcaactt ccgccacaat 300
acggaatttc atggatcgcg caagcctgct tccttttgat ttctgagacg tctcgggact 360
tcatttattg tgcaacaaag gacgccaaagt atctc 395

<210> 25547

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25547

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aattctttct tgtatgaaag ctaggtaatt aaagaggaac tgtgtanggt gaaggtaag 120
ttggggggag aagagtgcaa tttgataggt gcttggagaa cacgaatgaa tgccatgaat 180

atgatcatag atctgaaaaa gagttcatgc cctcacctca ctgacctcat aattggagtt 240
 ctctttttatt tattagaaat tntcagtaag agatatataa acacaatcaa tatctaaatt 300
 atgttcaaat tttttaagta tatgtttaac ttattcttct tatgcttaaa aaatgtgaac 360
 attattattc tcatttttaa atcaacataa ttgatattgt actttnttag agattagttt 420
 gatta 425

<210> 25548
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25548

agcttttgct aatgggtatctt acctngaatt aatngcgtga tagccgtttt gagccttggt 60
 tcccttttct tgttttgaag ctactacaa gccttaagtg aaaaaccatg atattaccat 120
 atccttaagg aatnttggag ctttgggaatt gttttgcgaa taagtgtggg gggtttttgt 180
 ttcatggac aacttgtttt gttggctatg cttcatgatg tattttgggc catacttgat 240
 gtacattgta tattggataa atgttggaca tgctgaatga aatgttggtt ctcaaaggct 300
 gaagagtaaa aaaa 314

<210> 25549
 <211> 351
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25549

tctgctntga gtttattcaa acgacaataa ctgtntactc ggatgtctga ttgagtcccg 60
 taatatatcg agacgctcga actggaatac cgaagctctg agataattca aacgacaatg 120
 acttcttact ctgatgtctg attcgggtccc gtaatatatt gaaacgctcg atattgaaag 180
 ttgaagctct gagcaacttc taactacaat aactctttac tcggatgtgt gattcagtc 240
 agtaatatat cgagacgctc gatattgaat gttgaagcta tgagcagatt caaacgacaa 300
 taacttttta ctcggtggc tgaatgagac ccgtaaatat caagacgctc g 351

<210> 25550
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25550

tctgcttcca tcttgttg tg taataaaaaa agaaatagga cgaagtgcct gtgtttgcaa 60
 agttggaaga aagtaataga gaaagataat gttgtgcgga tgtattaaat gaaggtgaat 120
 atgacttcta tatatagggg tcaggggttaa gggtttatga cctaagggtta gggttggaat 180
 catttgatc tccttgcgta aagctaaagt gtctctaatt cacagacaaa aagaaaaagt 240
 gtttagcaca aagcattgga ttccttgacc taagtntagg gtttaagggtt aggggttagt 300
 tattatatta cgggttaggtt cttctatgta ggtatatagt tcatgggtag ggtaaatggt 360
 tcacgaccta ngggttanggt ttgaagcatt ggattccctg acttgatttg ataaggatga 420
 ag 422

<210> 25551
 <211> 413
 <212> DNA
 <213> Glycine max

<400> 25551

agctttagt tttatgtctc atattaatcg attacagcct tatcataatc gattacacaa 60
 ttgtttttga gaaaatgatt gatttattca ggagtttctt ctttaatcaa ttaccatgtg 120
 atataattga ttacttctct ttctataagt gtttcagaat tggacaagaa cactttaatc 180
 tattactttg gatataat cgattacatt gttcttgagt tatttctagg ttttaggaag 240
 agcactttta tcgattaaaa agataatcta attgattact tcattgaatt aattgattac 300
 cttgttgatt taatctatta caggcgggtta taattgtttt ctctataaat aaccagcttg 360
 tgttctcttc ataatacaat gaaataagct tcagaatgag ctaagatcat gtg 413

<210> 25552
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 25552

aaatatgcga taggataagc agtcatatat agtaacacat tttccttccg gcacattaca 60
 tctgaatgga tgagttgaca tctatggccc taattcgtaa ttctggcatc agaccacaca 120
 ttgcagtgtc tcagaaaata ctgaaatata gtatagatgt acagacacac tgagacactt 180
 atcactcaaa agctttacaa tcatacgttt ggggactgtg ctatacttga catgatcatc 240
 tgtgtgatcg ttccatctag cggaaaccac tcacatttgc tggatgact agcaggaaac 300
 aatgtacttg agcgacgaaa ctccatcaat tgacatctgg tcgaacatga gataccagcg 360
 tcacactgtg acagtgagaa aacat 385

<210> 25553
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25553

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 ttaaaaaaaaa caggggggggg agaatcgacc cccccagag acaaggctaa atgaacttga 120
 cattactaca cagacggctc atgaacgggc agcctagcgg gccttaacat ggtaacgcaa 180
 agcaactgca catcgtggaa ctcgtggaca cactacagtt ccgcaccgaa gccaccac 240
 accagactcc taggcctcca ccaaccacag acctgggtag ccacgccgga caaacgagcc 300
 ccgctcgaag aggactccca caccgccata aatgccggcc 340

<210> 25554
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25554

agcttgcatt atttatatct ccctctntct caagcaaatt cttcttgata tcatcaaaat 60
 cttcatgatt tacattctcc ccctttttga tgatgacaac cacctgtagg ttaggagcaa 120
 caacaaagaa aatatctatt tgcatatagt ttactcccc ttggtntac aatgattgct 180
 tatatgagac aattgaagat ttcatatttt tcatatataa aaagttgtct cataaaacaa 240
 tagataattt ttcttactat tttatctttt atctttctct tcccctttgt caacatcaaa 300

aacaaatcat gaatagagag gagaaagatg ttaccacttg ttgcaatgta tgagaatcaa 360
 gtgataccaa aaggcattaa aacaatcatt caatattaat caagcanaaa caagtacaat 420
 aacacatc 428

<210> 25555
 <211> 398
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25555

agcttccttg ttattattcc tatataagct agagcttagc tacacacacg cctctaatag 60
 ctaagctcac ctccttgaga tgagaagcta gaacttaact acacacacnc cctataatag 120
 ctaaactcac ccccatgcn caaaaatacc atgaaagata acaaaaagaa gtccctacta 180
 caaaagacta ctcaaaatgg ccttgaaata catggctaan accctatact actagaatgg 240
 cctttataca aggcccanaa gaaggaaaaa cctattctaa tatttacaaa gatgagtggg 300
 ctcaaccttg acccatgggc tcagaaatct accttgaggt ttatgagaac cctatggcct 360
 tgtttggttag ctctagccca atcctcttgg agtcttct 398

<210> 25556
 <211> 476
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25556

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 accgcacagg ctggcatcct agcgattggt tttctttatt atgtacaccc cancaggagg 120
 ggtaggggta cgcattcaac tacagtgaag catattcctt ctggcaaata acagatctat 180
 caatgaatac caattggatt cattgatacc gatactgtac atcagctgac catatcagta 240
 cacaacact accacactca tctatagagg tctgatcata ccatggaatt tgtatcttaa 300
 aacgaatatg actgtcactt tatgccttag atacaatgaa caaaaccatc ttgtcgtgat 360
 cctgctacct agacgactca tatatccagg cggatgtctt gccaaagcta atgagcactt 420
 gtgccaaatc tacacgggca aaacgaaaaa agcgctcatc accatgcata aattat 476

<210> 25557
 <211> 350
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25557

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 tccaatatag atttctcctt ctccaactca aaatctgaag agacgaatga acacagagtc 120
 acgaaatcat cgcaattgca gcaattgaaa caatgcggca acacatcaca gattagagat 180
 cgtcaagtcg attcacacac gcggaaacac ganatcagat gaaagctatg aaaatcgacg 240
 gatatttgga atgagcgaaa cgtggaagtg aagtttctgt gtgacctttc cagatggcgg 300
 agacgacgga gatcggagaa taggatggag cgtgggatat atctcgctcg 350

<210> 25558
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 25558

agcttgtatt atgcttcaat ggaggaaaag aaagagggag agaaagagag agggggggagc 60
 acgatattga aggaataaaa gaggtaaaga agtggaactt tgaagtgtat ctcataagac 120
 tttctttcat caaagttaca acaagtgtta cacatgtttc tatttataga ctaggtagct 180
 tccttgagaa gctatcttga gaaaacttcc ttgagaagct tctttgagaa aacttccttg 240
 agaagctaga gcttagctac acacaccctt ctcataacta agctcacctc cttgagaagc 300
 ttccttaaga agattgctaa agaagctaga gcttagctac acatacctct ctaatagcta 360
 agctcacctc cttgagatga gaagctagaa cttagctaca cacccttat aatagctaag 420
 ctcac 425

<210> 25559
 <211> 340
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25559

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 ttacgcactt ctctctcttt cgaatgagca cggaaaaatt gtttgctga agaactcta 120
 aaccgaggcg cttccgaaac gtttccgcta cgaatttcgc gaacgttgca agcgtacttc 180
 aacgatcttc atacgttcct catcgtactt cagtcttcaa cgggtaaata cctcaaagca 240
 agcttttcga ctcatctat gtaccctggg cgggtccatc tgngcatcgt gtattactat 300
 tctcgaataa tatacggaat atacccctt ctgatgtgct 340

<210> 25560
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 25560

agctttatct ttgtctcag gtttcatgta gacttgtcca aaatcgcgaa gtgaacctcg 60
 gatccctgtc agatacaata ctagaaggaa ttccatgcaa ccttactact ttcttgatgt 120
 acaactccac tagcttctcc attctatact tcatattcac cggaataaaa tgagcagatt 180
 tggtagtgct atctactatg acccacacag catcatgtcc acgactagtc ttaggtaaac 240
 tagatacaaa atccatagat atgctctccc atttccattc cgggatttcc aatggcttca 300
 attctcccga tggctgctgg tgcctaacct tagccttttg acatgtcaaa catcttgcta 360
 catattcagc tacatctttc ttcatgccat gccaccaaaa acttctcttc aaatcttggc 420
 acatctta 428

<210> 25561
 <211> 411
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25561

agctttatat tctaatatat nnccttactt gagattcaca gtgcagatca attaacatta 60
 taccaattat aattatttag ttataagctt ttatgtaaca tttcacaatt tgttctttat 120
 aaaggattgt gatttttaat acaagttact ttaattattc aacgttctac gtaaattata 180
 tatagcctct ccaagcctaa cacaacaata tttgagctca ttttgaattt gaaataataa 240
 cttaagactt attaatgaa tgaaattgga attatatttt caattataca atgatttgat 300

tttactatTTt tctggctatg actattagta aaaataaaact tgatattctg atctcttaac 360
 tggacctaac gttttaagac ttctaatact agtaaagctt ttcttaaaca a 411

<210> 25562
 <211> 405
 <212> DNA
 <213> Glycine max

<400> 25562
 tagcttggaa ttgcatttgg gcacctagtt tgaatctcct atgctgtacc tatatataag 60
 aaacagtacc actctcccaa ttttacaaaa tcatattcat acatcattgg ggcatttcac 120
 cgagcacttg gtgagcacat gtttggacat aaattgcaag aggatgggga caatgtggca 180
 tgccccattg cttcagaata aagcataggc ctaaggcctt ctcatcaca tcttcaactc 240
 aagaaaacaa gaataaaaac aaacaaaac tgccccgcaa atataagcac attctcacia 300
 tttggagctc caaaagatga agaaaatata ccaatgggaa gctaaaaaca tcaaggattg 360
 aatacttact tgttggagtg aataatgaca ccaaaaatga aagca 405

<210> 25563
 <211> 264
 <212> DNA
 <213> Glycine max

<400> 25563
 ggaggattgt gcgtaacgtg ggaagggaag ccaagattag atacttggaa atttagaaca 60
 aaactttggt ttaatcagcc gcagatttcg atggtttatg gttaatgcct gtcatatgta 120
 tcaagcgtat ttcaccatgt gttaatggaa tggcttctac aagacagcca attgctagaa 180
 gatctgcttc agatcgaagc ataccatgag tctctctttt atgagagatc cacgttaata 240
 ttatctcttt gcattattga gaca 264

<210> 25564
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 25564
 tgcttaagtt atctttgagt catgccatto agacgcctga gcagcaccat tttctcgtga 60

ggatgctatg gtttgattac gcgatacaat atcattccgg ccaatctaac acagtggcgg 120
atgcatcatt gggggtcaat gaagataacc aggcgtctat atgtatgctg accatgccac 180
aactatgggt catggaagat ttactactag aactcacaca tacgcctgtt ttcaaagaat 240
tatatcagca cattcaagca gatcctacga agcatccaca tcattcatgg acatggggct 300
taattctaca taacggggcg atttggcttc acccaacatc atcattcatt ataccactcc 360
tcaaagagtt tcataaaaca ccagt 385

<210> 25565
<211> 319
<212> DNA
<213> Glycine max
<400> 25565

gaggagcacc aactaatgat gctgatgagg cagcccctga ccagaagac gagtgattct 60
tacaatactg cacactattc tcatacatcc ttccaacac atagtgtccc aaattcccat 120
ttgcctcaa taaattctca ttgcacagaa actcactcgc acaaaccttc tccactttcc 180
catagaagtc atgcaagaag acatgagtct tatgggtccc accctttttg ctctgtggca 240
gaacaccaac ggtgaatc gctgacattc tgccaggagc atctggccag tccccgcgtg 300
tgccgtcaac caatatgac 319

<210> 25566
<211> 431
<212> DNA
<213> Glycine max
<400> 25566

agcatggaac ttgttttttg aattatgggt cctcttaagg actgagtcaa tatatttgtt 60
gactgatcat tagaaccaat gaacttagtg acaatctcct tggacaaaag cttctctcga 120
ataaaatggc aatcaatctc tatgtgctta atcctttcat gaaagactgg gtttgaggca 180
atatgaagag cagcctgatt atcacaatac aacttcattt gcaactcttc acaatacctc 240
aattcttgta gaaattgttt aatccacgag ttcacaagta accatagcca tagatcgata 300
tttagcttct gcactggacc aagcgacaag tgtctgtttc ttgcttttcc aagagataag 360
aattcctcca atgatgacac ataagcctga tgtagacctc ctatccatgg gacagccagg 420

ccaatcatca t

431

<210> 25567
<211> 334
<212> DNA
<213> Glycine max

<400> 25567

gatttgtctt tatgcattcg aagtttcaca caatgcactc ataagacgat ctgatatagc 60
attttagtag tacatttaag acattcattt aataactatg tctaaaatta ttttatgcag 120
aaaacattct cctaggatct atcaaaatcc tatgaagaat aaacgaagcc catagtctag 180
aagacattga ttctcattaa aaggcatgct ttattatcgc agaccaacta ttatgaaaga 240
agtggcttct ctattgaagt ataaagcaca ctaacctatc tacatggact ttgcatgaag 300
aaaagatgtg catttaatgc aattattaaa tacc 334

<210> 25568
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25568

agcttatcat tatgaagnta tctattatcc tcttcgggtg tgcaccaat ctatacacia 60
aaagcatcaa attgaaaaat cactcattat aataatatca caacaattaa taacatagtt 120
ggtgcatact ccttatcaat aacatcttag aaaaagagag gctgttaaac ccaaagaaag 180
acttgттаат tcaacgatta cttaactcac atgaatagac aggtttcttg ggtttatgag 240
caacaacact tgaagactga gcattatatg acccttaact cttcttgctc tttgggtgtca 300
ttgcatcacc accttgata ttgattctca tatcgatca ttgtgtgcca tattttcaag 360
atgaaaatat gttaccttg tttgcattcc tatgaaatgg ttagtatac 409

<210> 25569
<211> 625
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25569

cgacccacag cacacacaag cacacaagat cagcgaccga tgnacgacaa anaatcaata 60
tnaaanaaaaa aaaaaggaac ccnctgatg ccctcgtagn acctacanan nnacncnagn 120
nncnngnnag agngaccnng nagnannaga caggcaggga caagcggaga cgagttcttc 180
tngaagctct cgccaccaca ccacacacgg agagagaggc gcgagngagc gacgatatgg 240
tcgacccaca cacaaccnaa cacaccacag cacaacgcac gcgcagcaca caggaccaag 300
cacagcacac atgacgacgg acatcacacg cgggccacaa gagagaacca cagcacacga 360
aatgagcgac ccacaccgcc accaatgcac gagggaaacc gaccaggcca acgcaaccga 420
acgacacacg cccaaccgaa ccaaagacac cacacacca cccacccgac naaaaccacc 480
acaacacaac gagacaaccg cctccagccc tccacgacgg gcgcaacaac gaacaccac 540
gagcacacca gggcgacccc cgcccaacag gaccaaagca aacgccccac caccacgggg 600
accccatacc agcacccccc cacc 625

<210> 25570
<211> 354
<212> DNA
<213> Glycine max
<400> 25570

agctctttgt tattttgaag agtctcactg aaagagtagc acctactggt tatttttctc 60
tcgttatggg tcacagacaa tgtaagctgt cacatgactc cacgtaccac acctcctatt 120
aggctctatt cagttaatta agcggttcat taatttactg tgttgcttgt atataatttc 180
attttaagaa caatatgaaa tgtttactta atctaacggg aacaaattcc ttaattcgtg 240
gtcgttttgc tctcatTTtg agactatctc actcctaadc actttaaaagg cttacacgtt 300
cagcacattt actatgaagt agagtatata ctatctcata gattacctca ttta 354

<210> 25571
<211> 386
<212> DNA
<213> Glycine max
<400> 25571

agcttgtagt tatttggtaa gtaggttgta tgactctgcc caattactat ataccttctc 60
gagcgcccat tgttttgcta gccatgcatt tcaatatgtg atgggtgtatc caaactcttg 120

tctaattggat gcgatgaatg tacgaacaat tagttgctcg ttttcttcaa ccattgcaag 180
gatatTTTTT cctatgagtg tggaatctat cttattatga tcttgtgaaa tggtaggcat 240
gacgcatgtg ccaagactgt caatcattct aatttcccaa acttttaaact cttttcgttc 300
aaacgttcta agtttccatt ggcacccctc aactcggcaa cataagaccc atgtatcctt 360
cgtacacctc ttgtatttga agtgac 386

<210> 25572
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25572

agctttttat ataatgttcg cataataaca taatgatccc aggaggaaaa ttgaaaagac 60
taaaaaagtt ctagatatca acaatcaact aaaatacaga tagttgcatt tctgcgtcgt 120
ctttcaagag attgggcaac ctcaatttca ccaagagcct tcacctttga gtatcaggaa 180
taaactaatg tcaatggcta aacaagcaaa tctaattata agtttatttc tagaataatt 240
acaaatgaca gtatataggt tatgtatatt gtttaactca tcaacaaaaa agagcatttt 300
gtgtaaatta aaaagggcat gaagggtgaa aagacaacat gtgttctgtg catttataga 360
cacactacta gaanataagt ctttaatatc gattanttag gacttttaac atcgggttatt 420
aaccgat 427

<210> 25573
<211> 406
<212> DNA
<213> Glycine max
<400> 25573

taatcttaac attataacat atgaagaaga gaggtacagg ccatcaaagt gtgtcattgg 60
agaataagac aggagattca actgtgctga agataggaga ttcgggctaaa gttgtgataa 120
aacaagacat gaagggaaga aggcataat atgggtttta caacaataaa cgtgagaaac 180
cacagaaggt aagggtggtg gatgatgaaa ctggcgacaa acatcagctg gatgaagtcc 240
taaggatgcc atctacatgt gtatttctca agatatagta tttatattcc attatgcac 300

tattgactgc tgcatacatg taatagactt tttttaacat gtttgcccca catcaaatca 360
 taattcaatg ttggctacac aacacgtcac tataatttgc tatgta 406

<210> 25574
 <211> 418
 <212> DNA
 <213> Glycine max

<400> 25574

tatcttgagt tatatgaaga agacaacccat tgagagccca tgctcttcca tggattcatc 60
 ttcattcctt accccttcat cttttacacc cttttgtaca attgagatct tcatgatcat 120
 gaatggctaa acaactcatt gtatatggag ttttcaacca atctctcttg atgcaatgac 180
 tctcactatc tatttaatat tattactagt ttcattgttc ctttgtgtgt atatccatgt 240
 gtttggactg atcatgcatt tatatgctga taggggttaa gcattggaaa atgtggataa 300
 tccttaaaac ttggaagagc atctaaaatg cttccttgct agggatagtg tgagacagtt 360
 taattgaatt gacatctata ttaatcatgc agttcaacta attgagttct cgagggat 418

<210> 25575
 <211> 386
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25575

agctttgagt ttattaaacg tcaactaactn tntactcgga tgtcgaattg agtcacgtaa 60
 tatgtccaga cgctcgcaat agaataccga agctctgagc aaattcaatc gacaataaat 120
 ttttactcgg atgtcggatt gagtcacgta atatatcgag aagctcgaaa ttgaataccg 180
 aagctctgag caaattcaaa cgacaataac tttttactcg gatgtgcgat tgagtctgt 240
 aatatgtaga gacactcgga attgaatacc gaagctatga gcaaattcaa tgcacaataa 300
 ctttctactc ggatgtcgga ttgagtcacg taatatgtcg agacgctcta tatagaatac 360
 cgaagctctg agcacattca aacgac 386

<210> 25576
 <211> 348
 <212> DNA
 <213> Glycine max

<400> 25576

tatggagaag cacgaagcaa ttgtctctaa ataagggtga aatccaaata caccttaaaa 60
attcaagggtg gattgacatg cctctttttt gcccagttg cacgtcaaaa acaaaaggca 120
agttcaatga ggggtgttact atgtgcaccc aacaccattg cttgtacatc caacaattca 180
agtgaagtgg caaaaatatc cttcacttaa atcttaaaac ccctccctcc taccttgcac 240
ttgtatgccg caccagctcc gttcttgccc ttcttactta cgtttgcgtt atgagccatg 300
ctgccacaga taaggccaac tccaccactg ttatgtcatt attgacgt 348

<210> 25577

<211> 372

<212> DNA

<213> Glycine max

<400> 25577

aatcataata aagtttcaga gatgactaaa tgcacatata aagctccttc tctattgaat 60
cagatgacaa gatttagttt agtgcattggc atgaactaag gttgggattt ttaccagtag 120
ttaagacctt tgttgatatg gaagttgtta attttctgaa taacattaaa caagagaaaa 180
ttaaacaaaa ttcatgggaa gtgcaaataa cgaatgatga tatggagggt gagatagggg 240
agggatataa gatgggagag aatgtgaatg aagcagaata gggaagttgt cttattatgg 300
tgcactagac gagatagaga gactcatgat aaagggttct cctaacttat taataatctt 360
atgcaagagt at 372

<210> 25578

<211> 339

<212> DNA

<213> Glycine max

<400> 25578

ttaagctagt ctatcctcaa gaggatttac gatgaactta tttaagtagt ctaacctaga 60
ggggctgcta aattgacctg tccacaagag ggatttagga ccaagcttgg aagattcagt 120
caactatgga tcgagggttag taatttggct acaatataga acccaaagca tgataattag 180
agaaacattt tattacatca gctgggccgt tagaaagacc cactctttac ctactgctgt 240
aatttactta cttgctttta ctgttttagc ctacacttat taattttgtc taaatcatca 300

ttataatgtt ttttcacaat gcttattctg aattaccct 339

<210> 25579
 <211> 406
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25579

tttaattaga tgggggtttgt taatgtttat cttaacacta tgttgtctaa gcttacataa 60
 tatgtctgaa gtttagtaca tatgcttgta ctacaatttc aagatcctaa gatgttgagn 120
 ttttaattaa accatgtgtg gcaggaaatg aatgttctga gagattggca tactatggta 180
 tgagtacaaa cctgggtgaac tatcttctgg agcgtttcaa ccagggaat gcaaccgctg 240
 caaataatgt cacaacctgg tcaggcacat gctacatcac accattgatn ggagcctttc 300
 tagctgattc atacttgtga agatactgga caatctccag tttctcaatt gtctattagt 360
 attgtagttt agagatnntt tttttcttgt ttgttgagtc cccatg 406

<210> 25580
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 25580

atcttgagaa gacaacgggg gaggtgctct taagagggtg tgcttccgaa gctatgagat 60
 taaccttaag cttgcaggac caagcttctt atgccatacc cagtgatgct ctttgatcga 120
 gagtaggcac aacacttttt tatcttgaca aatcaccaag tgtaatgtca tacagatttc 180
 cttgtctctt agttgaaaaa agtgaagagt tatecttggt atggatgata cacatatact 240
 tgttaaaggc gacattgtat ccacaatcac ataattgact tatgcttagc atattatgct 300
 tcaacccttt aagaagcaaa acattatcta taggaggata ggaaggaata catactttac 360
 ctacgccagt tatcatacct ttctgatcca tctga 395

<210> 25581
 <211> 332
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25581

agcmtatcat tattggtatg tngaagncca catatcaggc gggctctgatt cacagactca 60
cgatctccct gtttagatat tgaagaaagc tgctttactg ctattattgt accatctgat 120
aataggccct gcatcatgaa caaggcgtat tgtttttttc ttgcatcaca attacacagg 180
tacacatatc aaactactga agcgggtgatt gggctaacaa atctccatta cactttaacc 240
atcatgcacg tggataatth ttctctttca ttaccacga aagttatata tgcttgctaa 300
ctgagacaca atgcattaca gagattatca at 332

<210> 25582
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25582

agcttttcat cttaccactt ccaggggtgct ggaactactt cacatggatt tgatggggcc 60
tatgcaagtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg atgatttctc 120
cagatttacc tngntaaact ttatcagaga gaaatcagaa acctttgaag tattcaaaga 180
gttgagtcta agacttcaaa gagagaaaga ctgtgtcatc aagagaatca ggagtgacca 240
tggcagagaa tttgaaaaca gcaggttcac tgaattctgc acatctgaag gcatcactca 300
tgagttctct gcagccatta caccacaaca gaatgggata gttgagagga anaacaggac 360
cttgcaagag gctgctcggg tcatgcttca tgccaaagaa cttccctata atctct 416

<210> 25583
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25583

agcttttgtt attnttttag tgaaacatga cntgtacgt tattatctat ttgtcaacag 60
ttatacaaaa tctggccagt tgtctataat taagcaataa gcatttctgg tccacatttt 120
atthtttact ttctctctgc tttttatttc ttttcanagg tgcaaagtat ggggtgtaat 180
ctaatttata gatatattaa atctgtccag tctctgccgt gtgttaacgg tccgatagtt 240

tgcactttat tttttttaat gcatttcatt ttggtttttt aaaaatataa cattttttct 300
tattttcttct ctcaactccta tnttaactaa aaaccgtgca ttggtcgagt tgtaacgcta 360
gtttgttatt atataagtga aaggaagcat aatataaa 398

<210> 25584
<211> 310
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25584

gctttctttt anactcttag ccaangaaaa gcgaccttgc gtttgcaaaa actttcgagt 60
tggctatccg tgtcactcta ttangatgtt ccaccatggg tgagtgattt tcttgagcga 120
tatataatgc gtagttctct ttttaaggatg gagctgggta tagttgtttg aactagtaga 180
ttgtacaaga atcgagattt tatggatatt atttgcaaat tagatataat tataatgcca 240
gcttaaactg gttgccttct ggactgatat gatacagtca cactgtactg gttacgaaat 300
tagaaatgat 310

<210> 25585
<211> 408
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25585

taagtttgca ttacccgacn cnnnggtgca aaattgatct gtgcaaactt aacagctcat 60
tctttttgaa cataactgaat aatcagccag gagcttaca gcgtaacaagt ggaaaaatta 120
ctcaactctt aaagtatgtt ctaagtctga gtaatggaaa tacatattgc ttagtattta 180
actacaatgt ttacttgacg gatgagcagt tcatcatagc tattgaaagg taacattttc 240
tcttattctt aattaccctt taatttgtag atgcattatt aaacaacctt ttaaaacata 300
aatacttcat caatattagt tctcaagtct aaattaaatg ccatgtataa tatttatata 360
aaagttggtt ccatatggga ttgataagcg tgtgtgtgtc ttggtttg 408

<210> 25586
<211> 375

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25586

ttagcttgcg ngtttcgtga aattccataa tggggcggaa atcgaaaaga gatgtttttg 60
cgcaatccat gagtttccgt aacttcttcg aaagctaaaa aagagtaa atcataatccg 120
taaggattcg taaccttgcg gaaggaaaat aggtatcggt acgaaattca taaagtttcg 180
taacgttacg gaaaaagaat tacaaaaaaa aaataggaag ggggtgcatt tagtaaacag 240
gggggtgtaa atagcaatct ggcccacttg ggcctccag aaggctgttg cttctggagg 300
aagcaaccct gtcgcctgt gcgagctggg cggcaagctt ctccccatt ntgctataaa 360
tagggggaga agtga 375

<210> 25587
<211> 421
<212> DNA
<213> Glycine max

<400> 25587

agcttggaact ttttttataa tttgaggtaa acttctgatg acagctagat gctggtaaac 60
acacaggaaa gcatattcat aactgcctaa acacaggaaa acatattcat aactgcctaa 120
acacacaggc ccgatgctgg taaagaagca taaaaaactt gtggaaactt atggtactca 180
tgcacaaagg acaatacact aagtcactaa caaataactg ccttaatctt aagtgggtgtg 240
tttcaaagtt taacatcaca agattggaaa gttacaaaca atactctttt tgttaaactt 300
gttttttagtt ccctaattat aaaacattac aatttgtcat cagcattcaa aatcaatgtg 360
tacttaccag ctcccccaacc agttcttgca ccaattgttt cctgaaaatt tccaatgaac 420
t 421

<210> 25588
<211> 346
<212> DNA
<213> Glycine max

<400> 25588

attgtgtacc gtagtatatc gagatgctcg taattgaaaa cagaagctct aagcagattc 60

aaacgacaat aactattgac tcggatgtcc gaatgtgtcc tgtattatat cgagatgctc 120
gaaattgaaa actgaagctc tgagagaaat catatgacga taacttttta ctcggaatgctc 180
cgattgaatc ccgtaatata tcgagacact cgtaattgaa aatggaagct ctgagcaaat 240
tcaaacgaca atagcttttg actcggatgt ccgattgagt cccgttatat atcgagacgc 300
tcgtaattga aaacagaagc totgagcaat atcaaacgac aataac 346

<210> 25589
<211> 311
<212> DNA
<213> Glycine max

<400> 25589

ccttgaccca ggtgagaatg taatcctacc ctcggaagcg aaagaataga aggagaattt 60
caataaagaa aagaaagatg gaagatttca atcaaaaaga tgcaaaaaag acaagaagga 120
acattcccaa tcaaagagtg ggagaaagca aaaagaatag aaagaaaatt cccaatcaaa 180
gaatgggaga tagtaaaaaa tgaagaagaa gaaggaaaga aagctcctga tcaatgatcg 240
aatgaaaaca gaagaaatgt gcaaaaaggt ctttggaccg gacaatatct taacaataca 300
gaattgtcac c 311

<210> 25590
<211> 296
<212> DNA
<213> Glycine max

<400> 25590

gtgtggcctg taaattatcg aagcaatctg gttgcaattc ggatttgtga aatatgaaac 60
atttgagtcc ccatattttg tcacgctgaa gagcctgttg ggccgggata agatatctga 120
atcagacatg gccctcttgc aagaagactt ttgcgattgt catcgacacc tgacattctc 180
actttggtgt cttgcgccaa gacgaactcc gtcctagaca attcttcaac agttcgaaat 240
tttagctcta tatgaacctc ttctcggact gaccagatca caacacttgt ttctta 296

<210> 25591
<211> 514
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 25591

gtgaattgag ccnctgatga ctttcnannn cgctcagccc gcgcgcggga tcctgtgagc 60
 cgcngtgcgg catgctagen tgtancttat atccatcang cacaacgaga aagagacgat 120
 gaggatctca cgaaaactca caagttcagt tagatgactt tgtcctacca aacacttaac 180
 tcggtgatgt gcaagacaca tatgttttgcg atggaatcaa tgcattactt cgactataag 240
 gtatctagtg gacccatgac tcttcttaac gatgttcaag acttggaaga aaggatgata 300
 tccttagctg aagctcttga agatttagaa gatgaacgca aggaaatcct tacacagaaa 360
 atcttacttc aaaaagaatg cgccctctgc tatagtgagc ttgatgagta gaaaaagaag 420
 aactcatatc tctggatgga atgtcaactt tacaataaga cttcttctaa tctaacatat 480
 atgcttatgg gacgtgatgt cttataggaa ctan 514

<210> 25592
 <211> 422
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25592

agctctanat ggatcttatt tgnnatncaa atgggggggtt ggcttttaac aaaattctta 60
 ttgcatatctt ctaagtttat tttatttagt aaatatgtgt ttatttctaaa aataaagatg 120
 aattgagagt aaaagataga attttgatga atgaaatgat taaaaaattg agacagtgat 180
 cacttattga aaatataaatt attaaagatt tgaattgatt aagtgctaga tataaactag 240
 tcttaaataa aattataaatt ctccatgtaa atgagttgaa caaaattata atctctgtaa 300
 atatatttta atgtcaaacc taccaaaatt taaactaacc gctcaataaa tgtaaatttt 360
 aaacttaaatt taattttattt aattaaaaaa taagtttaac tacatattta ataaattaaa 420
 tt 422

<210> 25593
 <211> 414
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25593

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 gnnaaacaaa ccaaccaaga annngcagng nnaacngncg caaaaacnna acatgcgcac 120
 ngacagcaac cancatgggg ncancaanna agggcgacac ttaacgaatg actaaaaata 180
 ttaatagtaa aagaaaatag ttcctagtca attaattttc tcattagaaa ctaaaagtaa 240
 aaacgtgggc ctgttttggg atgatttttg tttctgagtt atgaaatttt taaaaataac 300
 aattaatctt tagtcttagt gtcaaaaaca ttttatatca gctctaaaat ataattaatt 360
 tcacataaac ttaattttaa agtcttatat cgtattaaaa ttaatctaag agta 414

<210> 25594
 <211> 427
 <212> DNA
 <213> Glycine max

<400> 25594
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 caactggaga ttttaataga aacacttggg aagctgccaa ctaagttgtc tatgggtcaa 120
 cctacacact cttctgtttt gcaagttaca ggtgtacca tctgtggtag ggctcatgaa 180
 acaggccaat gtactcccac tgaagaaaac actcaagaaa ttcattatat gggaaatcaa 240
 cagcgacaag ggtatactca aggaggactt tcaggcttct agcaggggtcc atataatcaa 300
 caaggacagt ggaggacaca ccctggcaat cagttcaaca aagaccagag tgggccttca 360
 tataggccaa ttcaacaagg acctaacata ttccagagaa ctactaagtt ggaggagacc 420
 ttgactc 427

<210> 25595
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25595
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 gtgtcttact agcttagccc catcttctaa atttattcga tgcatacata tggatgggct 120
 aataccagga atgtccgcca gggccaacc tatatccttc ttatgcttct tgagaataga 180

taatagcttc tcttcttgct catcagcaat ggaggcagat ataattactg gaaaactttt 240
 gctatcatcc aagtaagcat attttaaatt tgatgacaga ggcttcaatt ctgggtgtggg 300
 cggctggata gtggtagaaa gggatggttt ctcagcctgt acctcataaa gaaagtcaga 360
 ggtatgtgta cttcctgaaa catgggttagt tctatctgac tctataaaat caatctcaag 420
 aggtaaaaca t 431

<210> 25596
 <211> 501
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25596

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 gagacgacca gcagcacgtt acttctcgct cgtgaacaaa cnacacgggc ggagatggag 120
 agatgtaaaa ggacgcagac ctgtcacgga ggcacccaga tgcaagcaag ctatgccatg 180
 catgtgatca ggtgtactct catcgacaga acctacaaaa catacacgta cagactcata 240
 ctacttgact gtgagagagt gacaccatcg gcgacgacat tctctgctga gttgcatatc 300
 tagaaagctg agcatgccaa taatatagaa tgggctctgg aacgaatacc acgactatgc 360
 ataagacaca atcgctgac tgttgctgga ccacagacag agacctagca ctgaggaatg 420
 cagtgagaac tgtgtacacc attctactac ttcgggttga gattgatatc gatacaaatg 480
 tgaagctaac agcaatcttc n 501

<210> 25597
 <211> 378
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25597

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 ctaatcctca tcttgcatg cctcgctctat gtgtctgggc tcaaattcta agatcaatgc 120
 agtattacca ctatgatgag tccatatctt tttccactta ctgaggttga accaatggga 180
 ctatgttaaa agacactcat ttcattgcaa tgatctttta attaacatgg gcctttggaa 240

gcatagaaat gcatgtgttt tatctggaaa ataaacaacg ttgactcaca tgttggtcat 300
 tgatagatgg ttgcgaaact atacgaatga tgtccgtccc aattctgaac cacaacgagt 360
 aatatacaaa tatgtcag 378

<210> 25598
 <211> 487
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25598

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 gagaggcgac cgcagcatgt tagtttaggt catanngana cnancaggaa gtgaaggaga 120
 atggaccata atctttgtct cataccatgt gctggacctg tgactgagcc ccagctgaac 180
 cgagactgag atgcccattg ccgatggccg caccgatccg catgatctgt accttaagac 240
 cacctgtgct aactggcgga tctttattga ccagtcata tatagccttg attattgaga 300
 cgtctacaat gacgtttagt tatctgacct gacgcggtca cacacatcag aactcacaac 360
 gctgatggat ggggaaaact atagccttgc ctggaaggat gggatggctg agaagagatt 420
 ctttgatggc ggcgcacgcc aggcggcttc gtgacctctc gccacatgtg cctcagggcg 480
 atgtggn 487

<210> 25599
 <211> 115
 <212> DNA
 <213> Glycine max
 <400> 25599

agcttcaaat tgactctact tatactggct tggtagttat ggggtgtaagt aaactcaatc 60
 aatggaaaac aatccatcca gctaccttgt tgctctataa tacacgcccg aagta 115

<210> 25600
 <211> 400
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25600

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 ataagcgtgg ctgcctcaga ggagattaaa caacacatgc ataaagttgg gcaacaagga 120
 aaagaaaaca caatccgcca aaggcgagtg aagaaaagaa agagacaaag atctccagat 180
 tttaacaagag acgcacataa gtgcaacgaa cgattaatgt ataagacaga aggagtagag 240
 cccaacccat gagttgagag gaacaaaagt actagcaagc ctctgaaggt tcttactcaa 300
 tataaccctc aaacactctt tgagcctctc taatcctttc tttcatagcc cttttacccc 360
 tgaccacatt acanacccaa taaagcccat gtggatcaag 400

<210> 25601
 <211> 505
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25601

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 gccgcatgca agcaagcngt ttgttatanc tcatcanngc aagcangcga gagcgagcga 120
 gggangagcc aacaaccacc gcccagcacc accacacgaa ggaggcccag ccngaagccc 180
 caccgtcacc acggggggat aaagaaagnc nnacagccca cgcaccgcag caacaagagc 240
 cacaaccaga gaacgaccac tcaactgaag ccatcatccc ctgagctgct gattcttcca 300
 acagataatt ctagacgaga tccagtgagg ctgctcatcc tgcaccagtg ctagtaccaa 360
 ctgatgtacc atcttcagtg atggatgcat cttcacctca gcatgcatta gactctgacc 420
 ctctatcat agagatacct gacggacatc cacaccagtg ctggctctgg acattcttcc 480
 tcagctactt caggtatgca tctcg 505

<210> 25602
 <211> 354
 <212> DNA
 <213> Glycine max
 <400> 25602

ctaaccaata tcactaggcg tggctggatc ttagagtgat attcattaga cttcgcgac 60
 tcttgataga cactactctt acacatcatt ttagtgctat aacaaagaga ctcaagcttg 120
 ataaatttaa aattgagaaa caaataaaat acatgtatag taaatgttga aatatcatgc 180

agacgtacaa taatgatagg aagattcaca aataagacac atagtagatc aagatcagac 240
 ctcttggact tcaacaacac taacaattgt attaacttcc ttgtgttctt cttgtttatc 300
 attaactttc ttaattggat attcaatctc acatgtgaag aatgagaatg tcat 354

<210> 25603
 <211> 463
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25603

aagattgaac ttgaccatcg anaccgagan cagaagggcc ggaacaaaaa aagagaagaa 60
 gtcctttata tgtaggccca ggcaagggga gggggggagg ggacaagccc accaccccgc 120
 nacagcgcg cgaacnaaa caagcaacgg nacgcanaag agaaaagaca gcccacgcca 180
 cgaacgacaa aaaaaggcag cacacagaca acggacagga acccaggaac agagacccca 240
 agccaaaaca acggacaaaag aacccaaaga aagggcagaa aggacgggca aaagccaaaa 300
 caagaggaga caacacaaaa cggagggcca ccggggagcc ggaggcaaac aacacacaac 360
 acggcacggg aaccaacaa agacagagac gggagaccga acaaaagaac cccccccgg 420
 gaacaggcgc cgaccggcaa gnacggcagg cggcacaccg ccc 463

<210> 25604
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25604

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 ttagcggaat ggagaaggaa gaaacgtgat tggagacacc actccaagga caagatgagt 120
 caagaacaaa ctcaccacca taggaagcca tggataagag cttacagtta ggagaagatg 180
 agtgaaggga gaaagagaga acgagcacga aattttatgc ctcacatgag gtctgaactt 240
 tgaagtctaa tttcaaata tcaagattga ataatttcac acacaaggcc tctatttata 300
 gcttcaatgt cacacaagat tggagagaaa tatgaatctc tattcaaatt tcaactcgaa 359

<210> 25605
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25605

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agctttaaca ttcaacttct agcgnetcgn tatattatac gactcagtta gacatccgag 60
taaaaagtta ttgtcgtttg aatttgctca gagcatcaac cttcaatttc gagcgtctcg 120
atatatgacg ggactcaatc agacatgcga gtaaaaagat attgtcgtct taattggctc 180
agagcttcta cattatatatt cgagcgtctc gatatatgac gggactcaat caggcatccg 240
tgttaaaagt tattgtcggt tgaattggct gagagcttca acattcaatt tcgagcgtct 300
cgatatgtta cgggactcaa tcagacatac gagtaaaaag ttattgtcgt ctgaattggc 360
tcagagcttc atcattcaat ctcgagcgtc tcgatatatg acgggactca atcagacatc 420
cgag 424
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<210> 25606
 <211> 416
 <212> DNA
 <213> Glycine max

<400> 25606

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agcttataga tgctttccaa cacctttccc agagccaagc gtccctgacc gaaggccaag 60
ctaccctctc ccagggccat cactccctca acgcaaaaat tgactctatc catgtaacct 120
tttctctca gatcgagtct cttttcgatc gtcttgccgc aatcactgtc cctgtatctt 180
cgcccccttc cctccccac cctactctc caccagtctc acgccaccac cacttgaagc 240
tagatgtggc acggttcgac ggccatgac ccattgggtg gatatttaaa atatcccagt 300
tctttgatta ccaagggatc ccagagaacg agcgcttac cattgcatcc ttctatatgg 360
atggtccgac cctctcatgg taccagtggg tgcaccgcaa tgattacttt ccttct 416
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<210> 25607
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25607

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tcgatctagc acgaggagaa ctcatcttga gcatacacia tcaacttagta ttatggtagt 120
tntagaaaagg agtggccgcc actgtggttg cggttgcgca ctaattcgaa tatgttttagc 180
ggaagttaac ggtggtggaa taagttagtc gaacgttcca attggaagga gcaacattcc 240
atgcaataat agtctccctg gtggtgtatg aagtgattct gacagaaaga gcttggccac 300
ccagagttgc aaatgcttga taagaagccc ccagttgtg gctcatgcta atccatccac 360
ttctgcttnc tttcacagac atgcttgata tgtctctcc accttccacg ttcttcacgt 420
ata 423

<210> 25608
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25608

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gactgggtccc tttcttctt tcgcaacttg agttcactat tgctacccca tagagctctg 120
tgaaatttgt tccggccata ctcttcttgc cgagccctct tggctctctg ttcaagggct 180
cttgcggtaa ttgcattctc ttcccgtaac cgggcacact ccttccgaac gtgtgtagcg 240
gccaacttga acttctcctt ggcaagttat gcctttccta actcgctttt gagagcttgg 300
acttctttgt cttcttccgg tgcttcaaaa ttctcttcgc tgacgacttt taacttggcg 360
agccaatcta nacctcgtat atgaactttc agccattcgt ggtaccacc aatgatgcc 420
tta 423

<210> 25609
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25609

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ttatgcactt ctctctcttt cgaatttgtt tggaaaaatt gtttccgtga agaaaatcca 120

agccgaggcg cttccgaaac gtttccgtaa cgtttccgtg aggaatttcg cgaaggtttc 180
gaccgttctt cgacgttctt catcgttctt cgatcttcaa cgggtaagta cctcgaacca 240
agcctttttg attcattcta tgtaccctg gtgatccaca ttgtgtttcg tgtattnta 300
ttctcgtttc gtttacattn tataccccct ttgacgtgc ttaagccatt gtatttaagt 360
catttctcgc ttaacctaca aataaaacan atttccaccg atcgtttgaa tcgt 414

<210> 25610
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25610

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gaagcatgtg taacacttgt tgtaactttg atgaatgana gtcttatgag atacacttca 120
aagttccact tctttccttc ttttattcct tcaatttcgt gctccccct tctctctttc 180
ttttcctcca ttaaagcatc ctcttcaage ttcttatcca aggcaattct tgggtggtgaa 240
gctccttctt ccttggttta ttccctagtg gatggtgcct cccctatcct cttctccttt 300
gccttccgct gcactcctat ggtgaaaaat caccattgaa ggacctcatt gaagctcana 360
gatccagcct ccatagaagc tccacaagca agctttcatc aagtggtaat cagagcaca 419

<210> 25611
<211> 91
<212> DNA
<213> Glycine max

<400> 25611

tggcaccata actgcctaaa aaaattacgc ccccccttca ctcttccaat actgttgtat 60
tcatatagca tctcacgaat tggagcctcc t 91

<210> 25612
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25612

agctntagga tganatcaat tntctatctt tntcttcaat ggggcttcat tcttcttact 60
 cttttcactt ctactatctc tttccttgca caattttgtg gatcttccat tgatgatcat 120
 ggaaggctaa acacttaatc aatccaagta tccactccaa gcaaggctaa anttgagttc 180
 tggtttagta tttctaata atgtgaatgt tcatcttttt cttcaatcct atntttaaat 240
 ttcatgatca tgaacatgct taggatntga aaaaattacg ttacggattc ctttcctaata 300
 tntgaaccta atcacaaact gtttggatga tattctaacc tattttgcga tctcaatgaa 360
 ttanggatta attcgattga actaactcta atggcattca ttgaacactc attaactcat 420
 cttctctaca aact 434

<210> 25613
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 25613

tatacggcaa tcaaagcatt tattatgcta ttactgagcg atactgtttt tgagtcacgc 60
 gattgtgaaa taggtgagaa aatattaact ttttgtaaat aaatatctca tactttctaata 120
 actgcggcac ttgattgagg actgcctact agagatgctg ctttcagcga ttactgaat 180
 aagtcgtatt ttatagtctg cgacgccatg agtccatgac aaccactttg cttgtcttta 240
 tacaatccaa gtgcttatct gatttgattc tattgattga atgatcacia ccttatcctg 300
 ccttgaccgt aatgttaggt gagatgcct tgatatgata aaggatccct caaataatca 360
 tacttttaaa 370

<210> 25614
 <211> 482
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25614

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 gatgtgtttg tgctcgtana cnacaannac aagaccggga ccnagaana ccgcagcagc 120
 aaccagatt ttttcagcaa tncgagatgc cgaggccgag tgatagttca agattcaaata 180

caacattaga atccaatcga gaacaagatc caaagaaata tcagaataaa aaggaagact 240
cataaggata agataaaaat ttttcaaaac caatgctagt ttggtacaaa aaattctaaa 300
tttctagtac cgaggatact cctgataatc ataccaatat catattgaac caagaccaat 360
ggtttcaatg gttgcacatt caaatgattc aatgtgaatc atacctatat agaacgatac 420
agtaaagac ttggattcaa ccaaaggaaa gtacaaatct ctaacacatg gtatcaaacc 480
ct 482

<210> 25615
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25615

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actaacgtcg ccatgtagcc tcattgttat atcgtttggt caacaagccc gttgtcatag 120
cgggatgtat gtcatagtta ccgctcacta tacgcttcac actgacattt gaataacgca 180
gacaggctga aatacctaca atgggtctac agatatacat tctatcgcta tctataagac 240
aaagagccag atacgatgcc gagactaacg ttattttatg caccgtcgtg caatctcaac 300
ccgacaagcc cgttgaccac tgagattacg taatatccgg gctccaaatc tttatacaga 360
cgcttgatca cactgcgata aataacatac tgattcgctt aaatactttg cgttttcaaa 420
tcaaccttgc ggtatgatag tgaattgaag acctatttac cttaaaatag ag 472

<210> 25616
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25616

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cnaactgccg ctgcaagcac cacttttatg ttttttataa gcccacacg ggtggtgggg 120
aactataaaa gaagctttct caaaatctaa cgctttaact agtacaccct ttcaataaca 180
atcctcactt ctttaaaata ttactgggta aaatctcaca cctactcttc tttaccgtca 240

aaactaatag ctcagaatat gtaaatatat atatctcggt gaacacgcct atgaagtgt 300
aagtaaggta atctgccgcg ttggcgctct ctagtcatct acgtatatcc taatgatcct 360
gatggataat tctgggctgc acttacataa tggtagatgc aggatgcctg tagaccaacg 420
caccgatatat aatgactcta tactctggga tcacaaatgg tctggtaagc tttatactct 480
tatatttcg 489

<210> 25617
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25617

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ttctagagca tttcactttt tcttgccat tttatatggc aggaataact ctcccggggt 120
cttttactgt cgttgcaact attgagatga aatcctctgt gaggacctca agatgcttca 180
catcttcgat cctaatactg ttcgcgacac tgcctaaaaa tctcaggtgt agcaggagac 240
acgactcgca taattgagga taacggcatg ctgtacctac ttttctttac agcgctacta 300
ttggggaacc tatatcattt ttgtccggtg agaagaagcc accaataccg ccctattatt 360
tcggtgtacc gtacgagacc tctccattca atgcagaaaa ttgtcatctt aatgaaacac 420
att 423

<210> 25618
<211> 201
<212> DNA
<213> Glycine max

<400> 25618

atTTTTctat gtatagtttt ttttattttt ttttgtatta tttttaaata attgtttttt 60
tattttgctt gttgtgtatt gtacattggt tgtttttttc tgtattttct ttattgtttg 120
tttggtgtac attgtttttt tgtattttct gtttgagttt gtttttgttt gttgggtatt 180
atTTTTtttt tcttatttgt t 201

<210> 25619
<211> 498

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25619

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nnggccggaa ggccatgnag cacancnnnc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnntnttnn tnnttnnnnn nnnnnnnnngn nngngggggg gggggggngg 180
gnggncccn nnnngnnngg ggggggngnn ngnggggggg ggnggnnggg gggggngggn 240
ngggggggnn gggggnnngg gggggggggg gngggggggg ggggggnngn nggngggggg 300
gggnnggggg gggggggggg gggggngggg gggggggggg gggggggggg gnngggnggg 360
ngnnggnngg gggggggggg gggggggggg gggggggggg gggggggggg nnnngggggg 420
nggggggggg gggggggggg gggggggggg gnnngggngg gggggggggg gggggggngg 480
gggggggggg nnggnngg 498

<210> 25620
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25620

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tcgagacaca nnaannanng ancgggaaca agagaaagaa gcacaacatt gatagaagaa 120
aaaaaaacag gggaaaaaaa aaagaagaaa aaaaagaaag aaaaagagaa gaacgaagat 180
aagagagnaa aaaaaaaaag gaaagagaaa aaaaagaag gagaagggga gaagaaaaga 240
aaaaaagaaa aagaaaagga aagagaaagg gaaaaaaaagg gaaaaaaaag aaaaagaaag 300
agagaagaag gaaaaaagaa aagaaaaaag aagagggaaa aagaaaaaaa ggagaaaaag 360
aaaggaaaaa aaagtaaagg aagaagaaga aaagaaaaga aaaaagagaa ac 412

<210> 25621
<211> 507
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 25621

caggcaccat tctaacagga accgcgagga cgacataaan ttaaanntnn aaanaaaana 60

aggcgatgtc tgtgcctcgt agccnncaan naannanaaa anaagggaan naaaannaaa 120

gaagaagaaa nnattgttta ttaatttaaa gaaggagagg ggaggggaag aaaggaaata 180

aatatatata tgagagagat aaaaaagatg taataaagga gagatatgat atggaagaga 240

gaaagaaaac ataagaaagt gagtgattga taaagatgat gggaaaagaa gggaaaggag 300

tagataaaga aggtgaaata gaaaagaaga atgaaagtga agataggatg agaagataga 360

tagtagagag gaaggatgag ataatatgaa tgtaggggga aagaagaagn aatgaagggg 420

gaaataaaga gggaaaggaa tgagagaaaa aaaatgatga aagaaagaaa aggggaagaa 480

gggaagatta gaaagtaagg aagaaac 507

<210> 25622

<211> 385

<212> DNA

<213> Glycine max

<400> 25622

agcttttctt gaacccttcg aggtacttgg caccgatgg gggacaatac gtaaagttcc 60

ataatgtgcc acaagtcaat agagagcatc gttgcactat ccgtgaagtt ccgtaacatg 120

ccggatatca aaaggaagca ttgttatgca atccgtgagg ttccgtaacg tttcaaaagc 180

caaaaaaggg atgattacgt tatctgtaag gctcctgaac attacggaag gaaaacaagt 240

atcgttacgg aattcataaa ttgtcgtaac gttacggaaa aagaatcagc aaaaaaggca 300

tggggtgtgt tcagtaaaca gaggcgtgga aataaaacgt tcatccctct ggtatctgag 360

atcacttgaa tcaatgaaaa atcgt 385

<210> 25623

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25623

tcataccctg atattattca tagaaagcag aacatgagan attatggacg ggtcaaacca 60

attatatcaa cggaataaca ctcgacagaa tctattagaa ggtaaaccta tattattatg 120

aagaaaatcc tctgtcatga aattaggtaa actatgccag catctgaatc caacatttgt 180
aactccaaaa gatgccaaaa aacgcatacg gctgataaca tgaaaacaac tatatcaaca 240
ttaattttta gataaatggt tatttgtgtc cctaaatatg tacatagaga gtgctcacia 300
attagtcttc ctaacattaa attttagttc ctggaagaaa aaaatacaac aaattatccc 360
ttggtaattt tcgttgtacc at 382

<210> 25624
<211> 336
<212> DNA
<213> Glycine max

<400> 25624

gcaatcatct ctgatccctc ctctgagctt agagattcag acatcttttc ttctccttta 60
agagcttctg cacagccatg ttgaatcaag atttcttcca tcttgattct ccataaaccg 120
aagtcatttt cccctgaga acttctctat atcatacttt ggtgttccca tctttcttga 180
tcttgatcct ttgttttccc cacagacggc accacttggg ggtgcctttg agaagctctg 240
caactcttaa acctgcgcag gatcgaaaga aaagataaaa tagagtcacg gcagacaaat 300
cagcagagca tgacgcagag attacgtggg cgacat 336

<210> 25625
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25625

atctttcttc atcattccaa acttgtcatc attaggctta ggcagcatct ccgtaacaaa 60
tttatatttt ataatacatg ttaccaaca gagaaataga aggaaaagag aaaaatatta 120
gacatacatt atgtaatact gttgaaaaaa tttcaatccc gattagctaa aaataatggt 180
aaaattaagt atatacaaag taggggtattc ttttctctat tagtaacttc ttgaaattaa 240
gttaaataat ggtatcacag tctatataag agagggaaca aactcttcct taataaataa 300
atcaaagtga aactcatatt ttaataaata tagttttcag acacaatctc tattagtaat 360
tagaatttat tgaaaattat aaacatgtgt aatgtttatt actntaatct 410

<210> 25626
 <211> 330
 <212> DNA
 <213> Glycine max

<400> 25626

gcacgttaca ttcattaata ttcaccaaag ttgacattct aatatacttt ggatatagat 60
 agattctgcc ttccttgcca tcttgtagta aagttgaaca ccatccaatt acaagtagaa 120
 ttcaggctga acacatcttc acagaatcga ctggtacaat tgtcaaagaa acactatatt 180
 atatgcaatg cataacataa gaacatctta ttaaaacatt aaagaaagaa gaagaagaag 240
 acgaagaaga caacgtgaga gactattgac actctcattg cacactcccc actatctact 300
 ttttaattaca atatccaaca atgtgctaaa 330

<210> 25627
 <211> 515
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25627

nccgtggctg gagcatgact ntcggcaatt cnactcgaac ccgggatcct ctgagtcgac 60
 tgcngcatgc aacctaaaag tgggtgcaatt atccaccaac actttggtcg gtggtttaat 120
 gtggaaggcc atctcctaga tagccttaac caggggtgaga atggccagcc ccaagagaaa 180
 gtggattcca aatttgagaa ggaagaacct ggccttgcca agaagagacc tgagaatgat 240
 attggttgaa aaccaaagaa gggggccttg gtcctatctc aacctggtac ctgaagaagg 300
 tggtagaatg gtatatgatg cctccatctt agccgggtat cacacctttg ggtcgcacat 360
 gaagctctct attacataag gtgatggaac tctatgtgga gcctgtaggc cctggatctt 420
 cttcatcaat ggaggccttt gctctcttaa gaaaattgcg cccgatgaag aggaanaaat 480
 atgattgaga tgccactcag gagaagatga gcaan 515

<210> 25628
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 25628

ggattatcag atgtttgtaa tcgattacca gtaacggcac ttcagaaaat actttaaaaa 60
 gtcatgaccc ttcaaaatat aactgtgtaa tcgattacca gaaacctgtt atcgattacc 120
 ggtgataaaa tttcaaaaat actttttgag agacacatgt cttcaaacta ttttgaaaag 180
 gcacgatggg cctatatatg tgtgtgtgtg tgtgtctgac tttaaaaagc aagagagaga 240
 tattctatga gaactcaatt ggcaaagtct ctctcaacaa ctcttgggca aacacttaca 300
 aatctattga gaattcttct aagatcttta atgtgtatca tctactctaa aagagagaaa 360
 tctttctgtt catcttgaac tc 382

<210> 25629
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 25629
 attcctcaac ctcacgcaca ctctgaactt tgtgaattac accacacaac acagacaata 60
 tctcaggctc aatctcaagt acgtatTTTT tcttatcttt cttctttctt ttctctccaa 120
 taccttaatt acattcatTT gcactttgtc tacacttatt cttcgaaatt agcctctgct 180
 tcattgaaac ccctttctct ttgtttgoga aaatcatatt cacttttttt ttgcacacgc 240
 ctcaaccaag taaaccctaa ttacttaact gcataaagta ttgggtatag ccacgtatga 300
 actctacaa gttgtgtgtg cttctttcag atttcttctg ctatatTTtg cagcgctgct 360
 tgttaagttt tgaagcatca ataggctgca cattgggaat tcgattggaa tgtatgcaat 420
 atttctcagc ta 432

<210> 25630
 <211> 344
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25630
 agcttgcaact ctatttacta aatntatTTT ctacacaatg aagtgattaa ctaactaact 60
 aactaaattc cactaatata tagagtgact actcaaaagt aagggatgtg ccttgattaa 120
 gcccatctaa tctatctaatt taaaccaatt acacaaaata aagcccaaac tcgtagccca 180

attattcaag tgcagatgtt ctgacttcca agctcaattt aaccctcaaa atggcagaat 240
 cggccaaatc ttatttgtga aaaaattgaa cctctcgtta ttagttnttg atggactact 300
 cacacgtcc atttggagtt ctgtagtgtc ctataagccc tgca 344

<210> 25631
 <211> 434
 <212> DNA
 <213> Glycine max

<400> 25631

gacactctct tgggtggtgaa acttctcctt ttgacttat tctctagggg ataactcatc 60
 gtctcacctc tacttcttta tctttcgtg caattccatg gctgaaaatc accattgaag 120
 gacettattg aagctcaaag atccagcctc catagaagct tctcaagcaa gcttccatca 180
 ctatggttct agctaacact actaaatata tcgtattcca cgacgcgcat ttaaagtcga 240
 tcatcacaaa accgtcattg tttgggggcg gcgacatttt tgtaaatact ggcaacatat 300
 taaagacgac tatctttaat tgaagctctc tctctaagct tcttatccaa gacactctct 360
 tgggtggtgaa gcttatcctt ccatgacata ttctctagta gataacacat cctctcacct 420
 cttattcgtt atct 434

<210> 25632
 <211> 443
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25632

agcttcacaa ttacttatta tatctgaaag actgagctca gattggattc tgattattnt 60
 tgtgtgacca ttatttagtc aaactcataa tataatagtg tagcttcaag tttaatccaa 120
 actatgtttc tgaatcaaga gtaaataact atgattgagt taaatgtata tgcattgaac 180
 aacaaaccca tcggccatca ccaacttaaac aagaattatt ctttggtatg ataacagacc 240
 aacctctccc aatgtctttt gtactcatta ttccaaccat gtatttaaga caaaaaccaa 300
 caggcaaaaa tatgttaaat tgaataaaaa ttaaaaagag aagaccaaaa gctntttacc 360
 ctgtccaaca ttgcagcctc ctcagcgagc ataagttctc tagcagctac atctttcaac 420
 ttcttttcat atatntctta aca 443

<210> 25633
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25633

actcagctca agcttggggtc atgtacacta ggctangatc atttttctat ttcaatcaac 60
 ccaggtttca aaatatgtc tttttcaatt tatgcacaca tccgagccca tttaggcatt 120
 cggaaaaatt ttcacggcat tcacccttca gatgtacaca ttttttttct ttcttttttt 180
 tgtaaacctt ttttcaaaga anaattggca gtcacttctt tccaaaagcg tcttggcttt 240
 ttagtcaaaa ttttaactttt ttttttcaaa aaaaatcctt tgcaaaattt gactaccttc 300
 tcggtctgcg cttgtttatn ttaattccta ggattatgag gaaactaggc gtactcaact 360
 aggacttaag aaacataggt gaataactaa caagaagaa 399

<210> 25634
 <211> 439
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25634

agccttggag ttttttagtt ccaatncgnc ttcttcttta gtccagtctt cttctggctt 60
 caattcttca gtgggctttc cttctgtgtc cagcatcttg ggatgttccc agcctttgat 120
 gacagctttc caaggtctgc tatccaatga tttgaggaag gccaccattc ttgctttcca 180
 atattcatag ttgcttccat cgagaattgg tgggtctgtc actgggtccgc cttctttctc 240
 catgttcac agaaatttat ctccatagatc tcactctgtg atttcgagtg ttggctctga 300
 taccaattga tattctgata ccagnngaca gatgtcgtac atgatgtcac gacatcacgc 360
 ttcagaacat gcagattata tgtgtccgta tgaacagatt aaacaagtta ataacacagg 420
 agaattgtta cccagttcg 439

<210> 25635
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25635

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ggcgcgactc cttttacatc tctgaacct anatttgntt gttgttgggt gagcccttta 60
ctcctcagac gccatgaaca aaaaaataac aataaaaaaa aaccatagta tacaatctac 120
gtaaccatta cgtgtgggtg ttttaagcaaa caatactctc gcatacctaag cgcataacta 180
ttccacttgt ttcacaatag ggtccaacca ctaccaccaa acctcccagg tcatgatggg 240
tntacacttt tatatggatg aaaattgaga gtgatcacca catacagata caatgtacat 300
caatcctcag cccccaactc aaaaagcata gtctcagaac cagtggaggaa tagcanagt 360
aagcctgtga gctccccgcg ccāaatgagt gcaccaaatg tcgagtagtc accattcact 420
aat 423
```

<210> 25636
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25636

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gctcgcaccc gggatcctat gagtcacctg cngcatgcaa gctngetgat ttggccacta 60
gagccaacat gagtncaagc agttcattaa gcaggtggcc tgcccggact cgcctttttt 120
gtagtataaa tggaactcta cagccagcac ctagcagaaa agccagaaac aatcaatcat 180
ctgaagccac tgttctggac ttttatgtgc agaagagatc caaatgaatt gaggaggctg 240
ttatctgacc agtaccatac cgctgatcca ccatcttagg gggaccatct ttccgcccag 300
aacagcttcc attacacata tatatcatga ccctacaggc acaccgatgg ttctctctca 360
ccaaccgact cattttatat agaagggagg aactactctc gac 403
```

<210> 25637
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25637

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tgccacccag ctgcccagg cgagcaagggt tgcttttcca ttagcaacag cttcttgagg 60
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gaatcttttg gagggcccaa gtgggcctgg ttgctatttg cacctctatt tttactaaat 120
acacccccctt tgcccttttt ttggagattc ttttttcgta aagttacgaa aacttacgga 180
tttcgcaaca atacttgttt tctttccgta atgttacgga accttggtga ttacataatc 240
atccnctttt ttgacttacg aaatgttacg gaaccttact aattgtgcaa cgatgcttcc 300
ttttgatttc cgggtgtgtca cggaacctta cggattgtgc atcaatacct tcttttgatt 360
tctggcatgt cccggaactt cacaaattcc caatgatgg 399

<210> 25638
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25638

agcttggtgt ctattatata taggacatgc atgatgtcct ttgacactat atccacttaa 60
attgccatat gctaganagt cattaatagt acaaaacacc attgagtgtgta acctgaatgt 120
ctcttgcaga tgctcatccc acacatcaac cttgtctttc cataattttc tcaagtcttc 180
aatcaacgga gtaagataca catcaatatc attccctgac tgccttggac tcgctatcat 240
catacatagg ataatgtatn ttcacttcat gcacaacgaa ggagggagggt tgtaaactcat 300
cagcaaaaaca ggccatgaac tgtgggtttgt gcttaagttt ccaaaatgat tcattttgtt 360
tgaagcaaga g 371

<210> 25639
<211> 345
<212> DNA
<213> Glycine max

<400> 25639

gatcaagagc aaatattgaa ccattaatgt acgtttggat atggtaattc aaccgagtaa 60
atcaagtagt taatacgttt aaattatcat ataatttggt aagttgtttc aatgaagtat 120
tctaagagaa tttgaattca cgctattttg aacaagaatt ctgatcacct aaaaatgtgg 180
gaattgaaat tacacctaaa taagagaatt tgaaattttt ctctcacctc tgcacatgac 240
tattctotta agaacctcgt tctttctctt tcacgactca accctgtctc ttgtgtgact 300
ctcattctcc tttcagtcct gttctctctt actcaatttg ctctc 345

<210> 25640
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25640

agcttgtatt taccttccac tacatcaatt gtacctatct agctacttat atcctgaatc 60
 aaacatgaat tagaaaagaa agttaacttg atatagagat taaattgaaa ttgaaagatg 120
 gcaagtataa cacatctact aagtgtaaaa attcaataaa tttgactggt ccagagtgtgta 180
 tggctatgac ttgttgacta gcaggcaggc gaactactat ggaatttatt tctctatatg 240
 tagaataaca agtcaatgag gatgcaatat gatctgtagc accagaatcc aaaatccatg 300
 ttgtagcctc aagcttgtga gcattacaaa taagggatag tatatattac ctatgctnga 360
 tgtatgagca gaacttgtag caatctagtt aacttgtgat ccacgagaag ctata 415

<210> 25641
 <211> 353
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25641

tatcaacttc taccagtgga tacaaagatt naagtaccat tttcataaaa atatcactaa 60
 gcagagtact agcctaatat atttttggca gatacaaaca acttaattga aataccaagc 120
 atctataatt ggacagaacc attcaattac atacatttta tagaagataa cactgaatca 180
 acatatccaa gccaaagataa cattgaatca ccctagctta tacaaaatag ataatttcat 240
 aaaggaagcc cgctaagcga attntgtctc gctaagcggc caatgtcttt ttcagtttta 300
 tttctcacgt tttaaaattt gaataattgt gtcttgatta attgtttgat ttc 353

<210> 25642
 <211> 379
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25642

agctttttctt cnttttgatt gcaagtgggtg gagtgtaaag tgagatacaa tgaaacttaa 60
 acttgagtta agggatgttt acattgagga gatcttgata tacataaagg tagattggaa 120
 gtaccaaagt tctggataaa ttaatgaaat attatttttg ttttaaccaa tgtctcaagt 180
 ttaagtcttt ggtatacaat taggttaaatt atttgaagaa aaataatttt atcattttata 240
 ataattttat gtaactcaaa caaaattatt tttagtgaag gaaactttat gaccatgagg 300
 ctagcacaag aacctatgcc aaataactct tggacaaaat cactatcaga ttcatttttt 360
 ctattatttt ctatgtgcg 379

<210> 25643
 <211> 370
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25643

tagataaatg gttaatcaat taaaatatct atttattttc taaaatatta ttttactcta 60
 tgtattttct aatattatga aactcttatt ttaattaaca aaaacttttt cctctcattt 120
 atttaattgt taaaactcta ttaattttta aataaattct ttattttatt ttaaaaaaat 180
 gagatattac agttcaggac ccattagctg cgcaacgtct ctcacaaagc ttttaciaag 240
 gttttggcgt caagggtanag ggaggtgatg gagaaaattg tgagtccttg tgggtggcaa 300
 tttgctcccc acagacaaag caaggatagt atcggtatta cccaggaagt gaccactcta 360
 tgagaagtag 370

<210> 25644
 <211> 433
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25644

agcttttattt tgctttacct aaacnatgag ctctacgtgg ttgtagcttc ctataatagg 60
 tataagaata ggatcaaagc ttctactttg acaatcacag tgtcaaggac ttaactgatg 120
 acattattgc aaattcaatg ttttgacatt ccttaatttt gtaggtacta ccaatgggaa 180
 acgggcaacc ccaaattccag aaatgggttc tacatctcaa ggggaacgga agaggaagcg 240

gtagcaacc gacggagagg aggaaacttt gccaaagccaa ttaattgatg tcttataaaa 300
 gaatggcaaa atgctacatg atcaacttng agctcanaac ctgaatgtcc agtggatcgc 360
 caacagcaga tagacactgc cagaacatan ttgctgactc gataagctgc aatgctctag 420
 gagaattgtg ata 433

<210> 25645
 <211> 271
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25645

atgcatacta ttcttctgtat tgatataagc ccccatcaca tggaaaaatc aacaaccag 60
 cttaatatta gagctgaaat gacatangga agatgatgtc tactggtaca attgactgga 120
 ataggtatcc tacacacttt tgacacagac aaacgagttg aaaacggtaa cttggtctag 180
 atatattact tgtgcgattg agtctgacat tactattcat tttcatttat ggacaaagaa 240
 attaatttac acaagattag ccctttacat a 271

<210> 25646
 <211> 518
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25646

acaccgccgg actgaattca gttcgtttcg nanncnccgg naannnancn cggacccggg 60
 atccgcagag ccgacccgcc gcacgcaatc ttaactttca aacaaagacg acaaagggag 120
 aaggggngag tggcgacaac gacaaacacc gcgcatgcgg cnctcgaaac cacggnccgc 180
 atcacaaaac agagggagaa gggagaacca agcttcacga tgatgaatca aggcgactca 240
 agaatgctcg aggataacaa agacgatgac caaaagccca acagaatgag ctcaagactg 300
 cagccacaag tcgcaagaat caagagaagc tcgagcacia gatgcaagag aagatgaacg 360
 caagattcac gacaaacaac cagcaggact cacaagggaa gcaccgagat atctctcaca 420
 aaccaacaca ccagatgcy tccgcaaaga aggcacccaa actactaagc accagagctn 480
 cactctcagg catccgaaac cggtccttgt gaccactc 518

<210> 25647
 <211> 245
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25647

 aaaaaactta atggctgaga gcaactgaca nggggggcaac caaaagnac cccaacagc 60
 caacaagtca gccaccatgt ggtcttccaa aaagctgatg cctaagttgc caattgggcc 120
 cttattacaa cttgaactaa acctaactaa agccctttta agtgattaac ccacaacata 180
 tttttagtca cgcaacttta caaggatttg gccattattt aaacaaacta aacactctat 240
 aattg 245

<210> 25648
 <211> 179
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25648

 tcntatttta ntttcactaa ccaccaagga tcagagggga gcgatttttc acttccccct 60
 atggacataa ctatgaacac atattgtatc tttagcttat tccgttggtc ttatatacat 120
 tttccaacaa ccctacgacg cggaccaaat tccagttatc cccaatatat atacctct 179

<210> 25649
 <211> 383
 <212> DNA
 <213> Glycine max

 <400> 25649

 caagaggaaa tatatttgca aaaagtggat tttattgata aaaacaacat ccattcatta 60
 aaaagcttaa ccatgaagca aggaggcaga gggagaaaca aaagcttcca aagccatttg 120
 tgaagaaaat ccaatttttg gagctctagc caatcccggt cactgtattt ctcttcatt 180
 ttcttcatt tcattccacc ttttatattt gtaagtttct catgaaaatg agagactaaa 240
 accacctgtt attagaagcc tctgcaacca aactctcttt aatgtaatta ctctaaacta 300
 tctattaata tgatgttgat attattgtct tttcgtgtac tcattcacat gtttgtggtc 360

tgatcatcca ttttcatgaa cta

383

<210> 25650
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25650

agcnnaatgt ttattttaat gtaatgatac gtaaacatta agaggacggt attgaatata 60
tataagtaat atatatatat taatgtttat aatgcattta attacttaca tatatatatta 120
atgtgttttaa tcctttttat gtacttatat atataatatt tatccaatga tatgtttatg 180
attattgtta ttattattat tattattata tatatatata tatatatata tatctagtat 240
tacctataac ttgacagcgg tatgttatat atatttggtt ataagtcttg aagatacatg 300
tgtcatgcta ttattattat acatatttat ctaattgcta agtatatatt ataatatagt 360
taattgtg 368

<210> 25651
<211> 373
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25651

acatgcacaa agtgtgacta tatgatgtgg caatgtttgt gtattannag caaatgctca 60
cctctccctc taaanatgtg aattggatag agcttctacc aacttcacat taaatttatt 120
tccaaccata cacatcaaatt attcacttag tgcgtgtgaa attacaaaac taccctaatt 180
acaaaaacta gtcttggtgc cctaaaatac aaggactgaa aaatcccata tttctagggt 240
accctaccta cattatggag ccctaaatac aaagaccaa attaatgaaa ccttaatcta 300
atatgtacaa agataagtgg gtcatactt agcccttggg cccgaaatct atcctaaagc 360
tcatgagaac cct 373

<210> 25652
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25652

agcttacctt ctgatgtata tgcctaacca accatttcct cagatgaggt actccaaata 60
ctctatgatg ttaagcaacc aaaacctagc atacattntg ctttaaaatt aagactcgtc 120
gctctctcac agcacaaaac cctagtttct tcataagaga aaattgggtc cactcccat 180
tgggtgaaaa agttgaaatc cgtagagagg tcgaaacgta ctatactaga aaatcagaaa 240
ataatgacaa ctttgtaat atctttaag tcaaattaat acgtaatctc taaagtttat 300
tagatattaa ttagggctct ttaatttgaa ttattaatgt gaattttata atntaaatnt 360
attattatat tcttaaaagt caataccatt aagcttacat tannatatat tacatagtat 420
ttctatattg tatacacata ntttaataa t 451

<210> 25653
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25653

cccaagaaaa gttaaggtct aaaactcatt caatattggt cctgggttcc catcttcac 60
gtgaatgagc tgcttaccg aatacattat atcttctgac attttttttg ttatttttca 120
attatcttta aaagttttat ttttgtgggt acgaggggtat gacaagattt ttttcccttc 180
cccatttctt aaataaatag taaattttta atattactta tcttatttct ttattttcta 240
ttattttttt gtcctttgct ttaaataatc acgtggaagt ggaagtgaat ctaataagtt 300
tagtaatata ttatttaatt catccaataa gagaaatata ttcccactta aactttgtgc 360
tctaaaatat aacatacata ngatatgttt taatcttata aactaaccgc cgtttatatt 420
actact 426

<210> 25654
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25654

agcttgccat ctagtctccc caggcgagca aggttgcttc ctccagaagg ctgttgcttc 60

tggaggaatc ttctagaggg cccaagtggg cctgggtgct atttgcaccc ccatttttac 120
 taaatacacc cctgtccttt ttgggtgatt cttttttcgt aatgttacgg aaacttatgg 180
 atttcgtaac gatacttggt ttcttcccggt aatgttacgg aactttgcgg attacataat 240
 catccccttt ttgacttac ggaatgttac ggaacctcac taattgtgca acgatgcttc 300
 cttttgattt ccggtgtgtc acggaacctt acggattgtg catcaatacc ttctttngat 360
 ttccggcatg tctcggaact tcacaaatng cctaataatg ggtgccaaagc acctca 416

<210> 25655
 <211> 461
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25655

agatactcag ctagcatcct gaagacaact tctatgatat atagacttgt tgtttatgag 60
 tacatgggcta atgggttcatt ggataaatgg atattcaaca agaacaaaga ggaatttcag 120
 ttggattggg atacaaggta taacatagca cttggaatag caaaaggact tgcttatcta 180
 catgaagatt gtgactcaaa cattattcat tgtgacatta aaccagaaaa cgtgctccta 240
 gatgataatt tcaggggttaa ggtttctaata ttgggtttgg ctaagctcat gaaacgtgaa 300
 caaagacatg ttttcacaac acttagaggc actagagggt atcttgcacc tgagtggatc 360
 acaaactgtg ccatatcaga gaanaatgat gtttatagct atggtatggt gttgctagag 420
 atcattgggg ggaggaaaaa ctatgatcct agtgaaactt c 461

<210> 25656
 <211> 379
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25656

agctntcact ttctcttata ttctcattgt acttctattt ggtgtatgta caacactctt 60
 gctgcatatt ttctcgttct ttatgcaag tgtgactgat acatctttta ttttctata 120
 acttctttct atttttgggt gggtgaataa ccggttaaacc ccggtgaacc acccgtcctc 180
 atcgatttac ccagtttaat tcttgtttta ctgggttttag tctgggtttc tgggagggtg 240

gttcaatggt gcttttggat tggatgcttg gttccccggg ggaccaattg aaccggtcga 300
tccgatcttg ntttgaaaac cttgattaan atagaactaa tgggtctgtg aaagcgtaat 360
atccatatta atgtatgat 379

<210> 25657
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25657

acttgctttc nttgatttcg gagacgtctc gggacgtgat ttattgtgca accaaagacg 60
ccaagtgtct canagcggcc aatccaaggt tgtatatcat caaataataa tccccggacg 120
aaattanggt atgacaggag ccaccagaac caccttagat tgttttgtct tttttctctt 180
ccttccttcc tactccttct ccttaccttc ttctctttct taccttcttt gtaacaccct 240
gaaatctcat cttagattat ttctacatt gtgaaagact agatagtgtg agttcactct 300
atgtaaatct acttttgtgaa tttatgaatn taatttattt gtttggataa tcctaatact 360
tgaattatgt gttatacata gatataataa taggtgcatg tgtttgcttg acatagatta 420
gcagagatat ataaactatc tgagctaa 448

<210> 25658
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25658

aacttaagaa cttaatcatg ctaagggatt ttatagtttt atctcatggn cnaccattgc 60
agtaggcgag aaacactacc caatcacaca gcaaagcaat aacactttta ccacacgcac 120
atgaaaaant ggaatgttat agtattgcta ttagcactat aagttttgtt gatggaacta 180
cccacatagg tgcattttac tcatattcca aaactgcccc ctaaaaaatt gcacaatgga 240
atcgtgattt cattgtgcaa ttgtgggggt gaaaaattaa agaacgtttc ctgtctacaa 300
gtgcacaata catttgtgtc ccatttgtgt ataattttcg tcccccaatt gtacaatgaa 360
acaccatttc gagagaattt ttcatatcct atctaa 396

<210> 25659
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25659

agcttatatg tatttcttgg atgagttcct ccaatagggtg gaaaagggtgg aattattgat 60
 gttcaacaga gaagatccaa ctggttggat ttctcaagca gaagnttact tctgaatgat 120
 ggagacgagt ccagatgttt aagtgaacct cgcacagctg tgtatagaat gaccacaat 180
 caacttcttt aactctggta gcaaacaagc ctaatttgac ttgagaacag ctcanagggtt 240
 aattgcttga catatatgga tggatgagtg atggcgacat tttcgagcaa tttatggctc 300
 ttcagcaagt agggagtgtg gatgagatga gtaaatacag gaatttgaat agtaacaacc 360
 caggtgatgc gcttgctga tgaccaatat tttgggtatt taattcatgg act 413

<210> 25660
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25660

tcatcttata attcctttcc atatgctatt gtttggatta tagattgact ntgtctatta 60
 cataactcca ccggagaatc tagctaacga cctttaccca ccaaccatgt tcttttctat 120
 ccagcttgaa cccgagactt tggttaagga atctaagctc aattccactc cattttcttt 180
 cattagaact tatggttata taccttagtg tataagtgtg cattactaag cacaaatata 240
 tgcttgaatt tctctatatt ggatatctat ctgtgtgtga tttagtaaag acagtctatt 300
 cttttaatca gattcaaggt agctgatatt cctggaacag tatcaaaagg ggcaccagat 360
 ttctgcacag tatatg 376

<210> 25661
 <211> 451
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25661

agcttttact ttagtcatca aaagattata aatatgtgac catggcatga attntaaaag 60
aagagatcaa tcatctatct ttcaatcttc tctcaacatc attcaatata tttcaactgt 120
ttctatagaa ttttctgatt ctttttctct tcatctttct aaaagatttt gttcaaaaact 180
ttctcttcca agaaaagttc tttgttaaaa aacttggtgtt attcatttgt ttcattcttt 240
tctccctttg ccaaaagaac gaaggactaa cgcctgaat tcttttgtct ctctcttctc 300
ccttacaaaa gattcaaagg actaacggcc tgagaattct tttggttctt ccctttccct 360
taagcaaaag atntcanaga actaacggcc tgagatatct tttgtttccc ctttacaag 420
attcaaagga ctaaccgcct gagaattctt t 451

<210> 25662

<211> 421

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25662

gacacataac actcagcttt cccaatttc tataaatggg ggagaagtta ttgttttagg 60
nncagcccct tagcattctt ctctctatcg aatatgatcg gaaaaattgt ttccgtgaag 120
aagatctaca ccgatgcgct tccgaaacgc ttccgtaacg tttccgtaag gaatttcgcg 180
aaagtttcga ccgtttcttcg acgtttcttca ttccgttcttc atcgttcttc gatcttcaac 240
gagtaagtac ctcaaaccac gcttttcgat tcattctatg taccctggtt ggtccacatt 300
gagtttcgtg tatttctatc ctcgtttcat ttacttttta taccctcttt tgacgtgctt 360
aagccatttt atttaagtca tntctcgctt aaactaaaga taaaataaat ttccaccgat 420
c 421

<210> 25663

<211> 415

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25663

agcttggttt tatgtactta ccattgaag atcgaagaac gatgaagaac gaatgaagaa 60

cgtcgaagaa cggtcgaaac ctttgcgaaa ttcttcacgg aaacattac ggaaacgttt 120
cggaagcgcc tcggcttaga ttttctttac ggaaacaatt tttccaagca aattcgaaag 180
agagagaagt gcctaagggg ctgaaccctt ttcttcttca ctctctcccc tatttatagc 240
aaaatagggg aggtggttgc cgcccagctc gcccaggcga gccagggtgc ttctctcaga 300
agcaacagcc ttctggagga atattctgga gggcccaagt gggcctgggt gctatntgca 360
cccnncattt tactaagtac acccnctctg cttttttggt ggattctttt ttcgt 415

<210> 25664
<211> 362
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25664

ttgagccnaa tcctgactca ccatanacct tgttctcagg ttgtaatgtc aatccttatt 60
ctcgggaagcg aanagaatag aagggaaatt tccaatcaaa gaanaggaaa gaaggaagat 120
ttccaatcaa agagaaagca aaaaaagaaa agaaggaaaa ttccaatca aagagtggga 180
gaaagcaaaa agataagata gaaaattccc aatcaaagaa tgggagatag taaaaaagga 240
agaagaagaa tganagaaag ctctgatca gggatcgaaa gaaaacagaa gaaatgtgca 300
gaaagggtctt tggaccggac aatatctgaa taatacagag ttgtcaccaa atgaacaaaa 360
ag 362

<210> 25665
<211> 440
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25665

agcttgtaga ttggctagac atgatacatg tcagggtttg gtttggttca nagcttgtag 60
aatggctaga catgatacat gtcagggttt ggtttggttc aaggataaaa gggatgcccc 120
acattatttc catgacacaa atgcaaaaat gatgatttgg aaacttcatg caaaactggt 180
catgcatgca cctatgtgga cactcaagtg tcaaattttt atggatcatgt gatgctagga 240
ctcangattc atttctctta ttttaaatac acccaatggt tccaaaatat gttcttttat 300

caatntgtgc attcatccaa gtccatttcg ggcgtccggg gaaatntcac agcattcacc 360
 cttcaggtgt agacacattn ttcaaaaatt gttatgatca atgaattntt tttcaaagaa 420
 aagttgaaat catctctttc 440

<210> 25666
 <211> 512
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25666

ccacgtcggg atgaaagcct ggggagtang atnncgtgac ctatagaaac tcaagctngc 60
 tctanatnta cattgatgtt tgtatntatg atatgatgtt atatngccat tttgctttaa 120
 gaatagtgtc ccactggtaa aattaacttt ccaaagtgtt gccttcgcag gaatggcccc 180
 gaggaagctt gcctcanaga ggtccaggaa ggacaaggcg gccgaaggaa ctagttccgc 240
 tccggagtac gacagtcacc actttaggag cgctgtacac cagcagcgct tcgaagccat 300
 caagggatgg tcgtttctcc gggagcgcag cgtccagctc anggacgatg agtatacttg 360
 atttcangag gaaatanggc gccgaccgtg ggcaccactg gttacttcta tggccaagtt 420
 tgatccagaa atagtccttt gagtttattg ccatgcttgg ccaacagagg aaggcgtgcg 480
 tgacatgaga tcctgnngta ngggtcagtg ag 512

<210> 25667
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25667

ttcttatntt tatgaggaat tcataatata atgtttactc taacatacta gtgagaaaat 60
 aaggataaaa tctgtgaatt tacctctttt aatgaagtaa taagtaaaac tggttacagc 120
 gatgtcttta ttttagcact ttcttcatca ctagcatggt gtaacctgag catgcacttg 180
 tgtgcacata ttcaaaatgt ggtttgaaaa aaatatcact aagaatgtac gaacacatct 240
 ttattttaac aaaagaaaa ataccagata tcttgctatg aatatacatt gaagaatcaa 300
 agttgctagc tagtttggtg gaatctatgg nggaattgct gaactatctt ccattggggc 360

attngaacat ctatcatgaa cttccatttg agactntggt atcgatggat aattagactc 420
atcacaaagc atcta 435

<210> 25668
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25668

nttacatcca ttaattatca attttacacg tatatgagat cttatttcct tttcagagct 60
atacttacta agatctagag ttgtccctcg tcagggtgga cgtggccaag gtaggctcta 120
agatctcgca cgtcggactg agagtagcct ttgctaagac gacaagaggg gggaacctgc 180
aaataaagga cttcgacact aaagtaagta cgagagttag gtgagaatan attttgtaaa 240
agggtgagat agaacctggt acttatagag tggagtggaa gctgcggggtc tttatttggt 300
gngattgtac ggtgttgtaa cacccttgc agataatgac t 341

<210> 25669
<211> 356
<212> DNA
<213> Glycine max

<400> 25669

tctttttggt ctttgaaact actagagagg cactatgggt gacagaatac acacatgagc 60
ccgcttagag gtaatggatg agttattcac aatagatgag tagtgataac atgtgtaggg 120
atccttacag tatcaattcg aatgactttt tgggatgttg tcgcaaaatt agattttatc 180
cttacaatta taactagaaa ttatatatgt ctgacaaacc aattgacgtc ccaatgagaa 240
attgctgtga cattgatgtg tctctgtgtt gagtgtgaac cttacaaat atgagaactt 300
tttattaaca tgaatgttac tctaaataat attctataat gacatgaata cttgtc 356

<210> 25670
<211> 522
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25670

nncctcggcc agttcagana catcgcaaac nnaactnngac ccgngatcct cttagtcacc 60
 tgaggcatca agcttgaatt ttgttattat aanggtgaga cttctgcttg tattcgttga 120
 ccacagaatg gtgcctggag atatgtcgca ngggtcacga gaccttgggg acgtcatgtg 180
 gggtgctatt gcccaatacc aagcttgaac aatccctacc caccctgggg ataatacgtc 240
 agtgagaacc tgtgttgtac ctaatctagc gagcctctgg cagtcaacag ataaaaggaa 300
 caaagaccac aaagcatgaa tgcttgtgtg gtggctggcc agctgtgaat cttgtgtgac 360
 atatgggtta tggcctctgg taatcgatta cccaggggtg gtaatcgatt acaatgctta 420
 aaaatgaaga caggagacta agattgtccc tggtaatcga ttaccaangg gtgtaatcga 480
 ttaccatgct tgaaacgagg tcatgaagct angagagctt ct 522

<210> 25671
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25671

agcttcaaga ttatgtcttc atgttgcctca tgttgcctccc cctatctcta acacctccaa 60
 ggtcgcactt ttgtttcaat agcttcacat tctcatcgct gcttcctcta attcccttct 120
 caaaggccta agtcgttgca gctctcacca tggcagttat gtgccatggg agttgcacat 180
 catcgaatgtt tgagagatta ncgaaggcag gtctggggga aacgtgagcg aagaagaaaa 240
 tagggagtca cgagtgaacc atactagaat cctcaattaa ttgatgaaca aatctaagga 300
 ggggttttaga tctaagggca aagtaaaagg ttgtgtgagg tggaatgggt gtagtg 356

<210> 25672
 <211> 450
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25672

agcttggttct ttttatcttg tntagtggca gagttacaag caaaagggtc cagaatgaca 60
 actattttaa ataaatacaa ctaaatagta ctacctctgg tcctttataa acaaagaga 120
 acattctttt ggtcctaaat cctaattata aactttcaaa tatattaatt ggtcaatttc 180

ttttatatct ttcaatttat tttgaagtct attaatgaga cattcagtc tttctcatga 240
 taataattct gagtattttt ggaataaatt taaatttatg acattattaa ttacaattaa 300
 caaatttaat tatttgtatt agttttgatg aattacatat ttgtttcata catataggac 360
 caaaggaaat atatactaca tatatgaaat actcaaaaca acacaaaata cccaaaatta 420
 aagaannatt gtgataataa taaatcacag 450

<210> 25673
 <211> 269
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25673

ggatggncaa acattggtgt gttgtttttg cctttatggt gtttaagcat tcaaaaattg 60
 tgtgttgctt ctatcttgag cggttaagca ccatgtttag cttctgctct tgatgggttaa 120
 gctntgttga ttctacctat ataatgggta agtacttggt ttggtggcttg cttctatctt 180
 gagtgggttaa tcatcatgcg tagcttctgc tcttgatgat taagtttgat ctacttttac 240
 cttttaagtg gntaagtgta tttgcttct 269

<210> 25674
 <211> 353
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25674

agcttataca ttattttacc atggaaaaca agtgtatgat aactgtgtct ttggttagtc 60
 ttggtcttaaa gtgtctgata aaatgttttc tttttagcac actaattggt tgatgaaata 120
 ttgcattgag ttcaacataa attgtatctc tactacaact atagcatgtg tgtcactact 180
 ccttttaaat attctgtgat tctttataaa attaaataaa tatgcaaaaa tngcaaatat 240
 attaatgggt ntaggaagta ttgtatgttg tagatcanaa ttgaattcaa gattcccat 300
 atctttgtgc aggaactgat agtgaagttg gaggaagctc tatacaaaat tca 353

<210> 25675
 <211> 379
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25675

acatcaatgc ttaaccacca tggatagaaa cttgatgatc ttgtntttta atagtagagg 60
ttcttgacca gattgaaccc cagggacaac aattgcttca aggacagaga caaggaagaa 120
attgctggac aacaggatca acaaatgacc taaagtaggg ttcgtgacca gattgaaccc 180
caaggatagc aattacttca aggacaaaga caagcaagaa gttgctggac aacaggatca 240
acaaatgacc taaagtagga ttcttgacca gattgaaccc tgnngactgc tatattaacc 300
aatagatcac acaacagata aatagaagga catgtgacaa tggagctgca caacaaaagg 360
ttaagagaga caaactaaa 379

<210> 25676

<211> 339

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25676

cgaaatcgac cctgacctga aaccacnatg ggaggccggg agaggaagag gagcccttgt 60
tctttcaacc acaaagggag ggagaaacaa acaccacca cacgagacag accccgcagc 120
aagcaacgaa agacgaagga ggcggcagag gcaggaggga gccagaagag ggacgaggaa 180
gcagccgaac acgcaggcga ggagaaagag gagcagcagg aacccgagcg aggaagcacg 240
aggccgcacg accgaagccg aagaagagaa agaagccgga aggcggagcg aggaggagga 300
ggaggacccc gagcacggga aggagaagga gcaccaacc 339

<210> 25677

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25677

agcttttata tttgaaatca ngtgcagcca tctccctagg agtcctctca tgaggtggag 60
gttgagccat gttctcagta taaaaattag tagtggaatg ctcaaaatca gaatattcag 120
aatcactagc aattgaatac tcagaatgct caaaatgcac agaatgatca ggatgcacac 180

tatgccaaac taatctatga aatgttatat ctatttttagg atcaaagggg tgtaaattgc 240
 ctggattgcc cctagtcatg attgagcagt ttctagagag ggtagcctat gcctgggccc 300
 aacctttctt tcatanggaa gatgaatgtc ccacagccca ng tactacag catatagagg 360
 atgcgtcatc tganggccac tgtccagagc cattcattgt 400

<210> 25678
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25678

gacacataga tactcagctt gttgacagt aatgattgaa atgattgctg ggatttttnt 60
 catgaaagag tgtttgagaa tgatttgaat gagcaattgt atgatttgaa tcgattggaa 120
 tgattatata attgttttga tcaagcttgt agccattaga agagaatgag catgtgatta 180
 caagtatgac tgaaaatggt tgtcagtttg tcagattgat tgtgaagaaa tgcattgacc 240
 gtatcccggt gagagtgtga tccttaaatt ntgagagaaa tgactatcat ttagtactaa 300
 ttnttgctg aatctttgaa gtatggactg aaagtatgaa attgaggatg atgaaggcca 360
 tgtttgattg tgataaccac t 381

<210> 25679
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 25679

agctttagt tttatatgag aatgagcatg tgattagaag tatactgaaa atgttagtca 60
 gcttgtcaga ttgattgcaa aggaatgcat taatcgtatc ccgatgagag tgtgatcctt 120
 aaatttttag agaaactact atcatttagt acttattttt gtgtgaatct ttgaagtatg 180
 gactgaatgc atgaaattga ggatgatgaa ggccatgtct gattgtgata gccacttagc 240
 caaaaagctg accatgtgct tgaatgaatt atcccttgca cccaggatga gctgaatgaa 300
 ttattgattg attgaacccc gagcctatac agtgttattg cctactacct tgacttaggt 360
 tgtaggagac catcatccac aggaagc 387

<210> 25680
 <211> 445
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25680

atgggtaaaa ggctcacatt cactatcttt tacatcttat tcaaacttgt ccaattaaat 60
 aataaagtca tctcgactca nagaaagtca tataagtctc atacaattaa tatagaacct 120
 atatccta atgtcacatcct atcagagcat ggtaggcccc cgctcctctag catgaggctc 180
 ttcatagtca tccacctatt catctgctcc cccgaacaca gagttcaaga tcatcacagg 240
 atccaaacac aaacagcaaa ccgggagtga gttatcacat tgctaactac tagagagaaa 300
 caacacaaca tatagtagcc agatacaatn tacttagcat atctcacatt atgtcatcac 360
 tttgtcattc atcaatcaca cttgtcatcc atcaatcaca tctttcaatc atcaatcatt 420
 atacacggga atcacacact ccgat 445

<210> 25681
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25681

gannaaagca gacgagaccc anaaagacnc gggacagaac gagagaaaca tttttgccaa 60
 gcacaggggg gagaacaaca ccccccgag gaggaagcga cgacgacgag acgaacgaca 120
 cggaagagggc aagcaagacc ccagaacgaa aagacgggaa gagagcagac ggagcgacga 180
 gaggagccga acagacgagg agcgaacggg ccgaggcaga ggagacaacc aagggaacgg 240
 accggagagg acagggcccc agaccaggcc aaaggcac 278

<210> 25682
 <211> 342
 <212> DNA
 <213> Glycine max

<400> 25682

agcttctcga tatattatgc acctgaattg gacttccgtg tgacaagtta tgaccatttt 60

aattcttcga gagcattcgg tgttcaattt cgagcgtctc gatatattat ccatctgaat 120
 cggaacttccg tgtgataaga tatgaccata tgaatttctc gagagcttcc gctgttcaat 180
 ttcaagcttc tcgatatatt atgcacctga atcagactct ccggttgaaaa gttatgacca 240
 tttgaatata tcgacagatt ccgatgttca atttcgagcg tctcggtata ttatgcgtca 300
 gaatcggact ttcgggtgac gagttcgacc atatgaattt ct 342

<210> 25683
 <211> 244
 <212> DNA
 <213> Glycine max

<400> 25683
 taacaagcca acttacaaca gcaagtctca agattttcag catacggacg cttatgtcaa 60
 aggtgagtat gtgaaaagat tgtatgacca agtgaaggcg caaattgcaa agaagaatga 120
 aagttatact aagcaagcca acaagaagat gaatgaaatg gtacttgaac ctggtgatga 180
 tcctggacat ttgagggcaa atgttttcca agatggaggg aatgatgaga atcatgaaac 240
 tggc 244

<210> 25684
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25684
 agcttttcat tctctggata aacaaaggta acaaagccaa acattcgctt ctgctggtat 60
 gggatcctca cgtcttgac tgggccataa atgcttcaac aacagaatta ataactcaag 120
 ttaatatattc tgccgctgac caactatgca caatgatccc agtcgaagct aaagttacag 180
 ctaaacctaa gcaataataa cctgaagtag ttgaaacat cttcctctct gaaagtgcta 240
 tctgctggga aagtcaagta gatctgctg gaagctgggt ttaccataac aggactgttc 300
 aaagaaaaat catttctttc aagccttgat cgtccaaatt atgcanatcc tactcatca 360
 tcagagctgc agctgccgct ctgcaattat tataaaccat gattaagatt ctgcacccca 420
 actattacaa agaccacagt attc 444

<210> 25685
 <211> 314
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25685

gtagnngatg catgtagcca ttaacaaacc aacttttgtg acatgggtgg tttttgnnnc 60
 nngggattag tatcatcaac ttcagctaca gccatttctt ttntcaaagc atagactgtt 120
 tataagttag tgttcctttc gaaggacagg atgaatgaca gaaaccctta caagtggggg 180
 cagggatcta gtataaagac ttaaatgaac cataagccag ataggaacac gttctgacag 240
 aacggagagc ttaatnatta tcaaaagtaa atagatagcc aactcaagga cagatggatg 300
 ataatgtaaa tgat 314

<210> 25686
 <211> 405
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25686

tgcttatagt atatataata aaagaactat gactattgaa gaatctattc atgtttcctt 60
 tgataagtct aatgctatct ctctgagaaa ggatatttta gatgatgttg cataatcttt 120
 agattaaatg catattcata gacaagattc taaaggaaaa gggaaaggaa gcaatgaaga 180
 tcctccagaa gaagccaaat caaatgatga acttccaaaa gaatggaaag cttcaaaaga 240
 tcatccctt gacaacatta ttgggtgatat ctcanaaggg ataacaacta gacattctct 300
 taaagatnta tgcaataata tggattntgt gtctatgatt gaacctaaaa atataaatga 360
 agccataata gatgatcatt ggataattgc tatgcaagaa gaact 405

<210> 25687
 <211> 313
 <212> DNA
 <213> Glycine max

<400> 25687

tcaatggcga gttcgtgagc actgtacacg tggatggcaa ctgctgctg ctgctgacga 60
 tttcaagttg aggagcgtcc cgccggtgaa gctggcgatt tcgagcctgt gctgaaatca 120

cagctttgtc tggcgatttc caaggctacg aacgtagggg gaagaggcac agaagccaca 180
gaagccattt ccgaggctct gaacgaagct gcagctgcaa ggagtcgcca acaggaccgg 240
cgacttggtg agttcccgaa acccgcaata ggaactgcgg tttgctttgc ttaaattcccc 300
ccctttcccc cgt 313

<210> 25688
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25688

tgctttgtat tcaacaatgc aatgcaatgg anaattgtgc aatgttcacg acattctttc 60
ctatttttgt gatttgattt ttatttgatt ntttttttgc ttcttttttt tttgtggaaa 120
acacagattg accatctctt tgtgaaagac atgataactc ataagacctc atcctatctt 180
ttacaaatct cttcggggac tcccttagaa tgtatgtttt gtttgattac ttgaaaattt 240
tggagtgatg acaatggagc catttgacat ttaatcaatc aactaaaata ttgacccatg 300
ggttttcccc tctcttttca ttntaaactt caattattct tcacaacaag aaatatataa 360
gggctntgng accgatcgca tgtagcatg 389

<210> 25689
<211> 414
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25689

gttgcacact agnaaaacca attatanttg tagcccaacc tttttataag ccaataaaag 60
tcctttctaat tcaatttgtg tattttctaac tttatggtaa gagatgaagt acaaattattg 120
gacctcttgt tagttgttat tgctaaatag cttaaacaca tgtgcttgag tgaaatagtg 180
gccgcgagac attggtcaag catcttttct tgatatctgt ctcttctcta gcttcattta 240
gttgtgttgc ttactaacat gttctcttct ctgaaaaact gcatgccttg tngaaagcaa 300
ttgagtaaga cattatgtct catttggtat tgatcgaggc cgtaccctaa tcaaataaac 360
attaaaatgc agtaactatg aagtgaacct atgtcgtttc ccaacaagca atga 414

<210> 25690
 <211> 328
 <212> DNA
 <213> Glycine max

<400> 25690

ctgaacttgg tatcaaagcg ggtcgatctc gctctgcctg ccgatgctg tcgcccatta 60
 tctcctgccac acatcactgc cggcagccac cgccattttt tccagtgatc actggatctg 120
 gtgtgcctca ccaagcatgg ccagagccag aaggtttcaa agtccgaaac cctataactc 180
 accatcatgt gcgtcatttc tccgcaactc tgtcaagcac atgctgctca cgcgctggtc 240
 tctggttacc agaactcagg tgcaacaaca cagtcagggg cgtcagcctc ttcaagtcta 300
 gtttcaatct tcagatcatc atttctttt 328

<210> 25691
 <211> 532
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25691

aggacnnagg gacgggtntt tatgtcttcg ctagnacann cnaanannat tagagaaacn 60
 ggcgatctgt aaagtcgaac tgcaagcgtg ctagcgatgc tgtttgttta tttatctgaa 120
 ggccgccata tgctgctgct gtgtagatac aacaccacta tatatgcctc gtgccataaa 180
 catttgtttc tacgcataat gggagttggg aatcggaag cgtatagca ggagctgtcg 240
 atagtgcctg gtataactcc tcatatgcta ccagaacccg aggtggataa ccgaatgagt 300
 ccagcgccgg gtactatacc aaatgtagac tacgcatggc atatccttga atgaaacgac 360
 tgtgatatca cccacccac taactcttgc cggcctttgc gattagcgag ccgtacatga 420
 gcaccgaact actatgtagt acgagctgac ccccttcag aaatacgtgc cctagtatcg 480
 cactatgtag gcatacaacc ttaaagactg gtgaccaact gatacgagct tg 532

<210> 25692
 <211> 317
 <212> DNA
 <213> Glycine max

<400> 25692

atcacatggg actagggggc gggggacata gtgacaacaa gcttccatcc acatgcgcg 60

ataaccacaca tgcctgtgac cactccactg agctacgact cccactagac atttctcggt 120

ctctacaccg gtcccatca tacttaagct tccaacatca gcaaacaacg tcaacagcca 180

gctatacacc agcaaacgac aaggcgaaac ttgctaccat caccaaacac agtttttact 240

aaacacgtac attctcatca atcgtacgtg gacactcaaa ttctgaagca tatgatagct 300

gattgacgag gaatcta 317

<210> 25693

<211> 338

<212> DNA

<213> Glycine max

<400> 25693

accgacgaaa ggatcaaagt ggtatggaat ttgcaaactc gatcattttg ctttgatgaa 60

tacgacaatt gcggcgcatg ataaggatga caatgatgga gaaacctttg ctatgactgc 120

cattcctaca cgggtcaaatt tctgtcagc ccaacaatgt cattactcat ccaataacaa 180

tttctctcgc cacatattcc acacatgcc accccaatca tccacaaatc ctagccgctg 240

tacatccagt tgcttaacac caaccaataa agaattatga ctccaaagcc tgtaagattc 300

accccaaatt ctagtgctta tgccacttg ctcttata 338

<210> 25694

<211> 286

<212> DNA

<213> Glycine max

<400> 25694

gcttaaactt cttgttatta caaaaaaagc tgatatgaat cgcaatcaca agtaagatat 60

cctaactaca tgtaagatat aagaatgaaa aatagaaagg ggaaagaaaa gctgggttgc 120

ctcccagtaa gcgttctatt aacgtcacta gctagacaca ttatcctgtt atccaagatc 180

caacagatgt tctacttcaa ggaccttctt ctcaggtctc ttttactcca tcacatgcac 240

tttaagacag acatcttggc taggtggatc tttgtcctca tggaac 286

<210> 25695

<211> 521
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25695

agantgggag cagcagcagc gttttgagcc catgagacta ttcgaacnnc cntgaanact 60
 caatcaanca agcactcaga tcaagattca agaagcgaga gaagacgttt tcgtttanag 120
 tatcgaaaag cgtttagata ctgagggcac atggattttt ctcaaaacct tttaccaaag 180
 agttgttact ctctggtaat ggaacaccag gagcaaaatt gtgtacgaaa agctgtcaac 240
 tgcatttaca acgtgccaat tgatttcaaa atgttcgaat cgattacaat gttttggtta 300
 ttgattacca atgtgcgtga acattgcaat tcagatccaa atgtgaagac tcacatcctt 360
 tcacaaaaat gctatgtgta atctattaca ctgattgggt attcgactcg cgatgatacc 420
 ttctgaacaa accatataga tccactcttc caattgtgtt tgaactttca actggactaa 480
 agtgttctaa aggcataaat cctcaatgggt ctatagccag g 521

<210> 25696
 <211> 132
 <212> DNA
 <213> Glycine max

<400> 25696

tcagaatgct caaaaccaag atgttcaaac acaccaacca cagaatgcac agactcacta 60
 gtaacagaat gctcaagatg gcaaaatgca caaaacgaac agggagagta ggatgcacac 120
 tatgcctaac ta 132

<210> 25697
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25697

gcttgttatt gtttcaagnc gcacccgaca gcggaggtga tgactaaaaa tgcaacagac 60
 ccacttcac catgagtcac ctcttcacg atcactgact tattacaagt ttccatgaat 120
 gactctacat tcatgacccg ttctattatc tgattcaaga cagcatgaat tcaaaattca 180

aggagagaaat caagacgact tcataatgga tttatgaacc gatttgtctc taactatcct 240
atcacatttg tgtctcaaca aagtcctctc agtatattaa gtgccagagt tttacccttg 300
gtatcgatac atttccttta cttatccatc gcttggtttac cccatcctta gtgttttgca 360
cgctcatctt tttcatatgt aaacctactc tacttgcttc ccccaacg 408

<210> 25698
<211> 319
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25698

gcttggtttt atgttacaga aaaaggtaaa gcatgtgatc agaacttaaa gtaatatggt 60
aatgatgctt caactctaca aaaccaatth tatgccaaat gcaacaattg gggaatggaa 120
taaataatat tccttggttag atattggtga atagtggag taatgacaaa acctaaggct 180
aaaaaacttc catctcatc tccaattgga aaagaaaacc gcgtttgatg aatgaattaa 240
gcatctanat ggacttataa ttgccttctt tctttttatc ctccaatac atatatattt 300
tgaatataca ttatatgca 319

<210> 25699
<211> 314
<212> DNA
<213> Glycine max
<400> 25699

agcttttctg tttacaaaca gcaaaaaaga atgtttatgc ggataaccac tcgtgtattt 60
ccgctcatca gcgtgactca aatgtgagta tgacagatct tgtgagcgcg gaagatgacg 120
taaattctccg cgtgtcaaca ggcttgctcag ccgcgattga cgatatgcgc agaaaactac 180
gttagtcttt gcgtgctatc atgcttttctg tcttacagac agcaaaaaag aatgtttatac 240
ggataaccac tctggatttc agcccgctctc gtgactcgaa tttatataga cagatcttct 300
gggcgcggaa gatg 314

<210> 25700
<211> 379
<212> DNA
<213> Glycine max

<400> 25700

gatagcacgc aaagactaac gtcacgtct gctttcttct ttttcgcggc cgacaagcct 60
gttgacacgc ggagatttac gtcacttttc gcgctcacia gatctgtcat actgacattt 120
gagtcacgtt gacggggcgga aatacccgag tggttatccg tataaacata cttttttgct 180
gtttgtaaga cgataagcct gatagcacgc acagactacc atcgtattct acgcccttcg 240
tcaatcgagg cccgaaagcc cggtgacacg cggagattta cgtcatcttc cgcgctcata 300
agatctgtca tactgacatt tgagtcacgc tgacggggcg aaataccggt atggttatcc 360
gtacaaatat tcttttttg 379

<210> 25701

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25701

acaccggcaa cccacacgaa acgcgaacgg acctgcaccc aaacacaaaa aaacaaggcg 60
ggntttgtgct cctcctcgc cacannaaan nanaaaanga aagaaanaaa aagaaagaga 120
agaanantat tntttaaaaan agagagaaaa aggaggggag ggaaagagag gaaagaaang 180
aaggaagaga gaaaaagaaa gaaaggaagg aaaagaaaag aagaaaagag aaaagaagaa 240
aaggaaggaa ggaagaaaga aaagaaaaga aagaaaaagg aggaaaaaag aagaagaaag 300
aagaaagaaa aaaaaaaaaa agaaaaagaa gaaaggaaaa aaaagagaaa gaaaaagaga 360
aaaaagaagg aaagaagaaa aaggagaaga aaagaaaaga agaagagaaa aaaaaac 417

<210> 25702

<211> 278

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25702

agctttttgt ttttaatttac tgagacagtc aaagtgccat tgactgagca natcaccaga 60
tgtaccctga gaggacatag cacatatatg tgaaactaca cttcatcaga gatgtgattg 120
aaactgagaa ggtgaagggtg gagaatgttt caatagaaca acacgcgggt gaattgtaaa 180

caaagtcctt ctctagtgtc aagttcaagc actgctagaa cttgatgaat tttggagatg 240
cctaaatcag aaaggttagga gtgcaaccct gaatcaca 278

<210> 25703
<211> 294
<212> DNA
<213> Glycine max
<400> 25703

caaactctaa ttcgatgtct gcagcaaaca acaattgacg aatggggaca caccctcaac 60
ccatcgtcga aatgagactg aagctcaatg atggtggcac tacaagaaat taaagctcaa 120
ctagggatgg taatagttga cactagctaa tatcaatgtc actagaatgtt caatgatgaa 180
ttctaaacaa ttacatgtaa ttgctctgac actattgttc agtaataatg gttttcaggg 240
gatccatcac ctaaacattg actcaattac atacatcata cacacacgaa aaaa 294

<210> 25704
<211> 371
<212> DNA
<213> Glycine max
<400> 25704

tttctttgca ctattgcata tggcatctca acacacacac acacactgca tatgtatttg 60
gtaatcataa tattatatca tgtaaaatta aatcaagttg ttacagataa aagaatgcac 120
atgtttttaac ataaattgca tttgaacaaa ttaataaaca aagaaattaa gtgtttcatt 180
ggattcgttt cataatataa aacttcacag ccactccaat gaaagtaatt tatccagcca 240
atgttttctc aaaaccatgt catgaataaa taacatctc tttacacaca atacattgta 300
acatttcacc agagaccaac accagttttc atgcactact aaaaaaacac tttgttatga 360
tgcactaact a 371

<210> 25705
<211> 400
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25705

ttcttatacct tatttatggg tagaccgaca ccggcatgtg ttcaaccgac atcggtcggg 60
 gtaaagcccc gactgatatt ttccagccga cattgcacaa ttttttttac aaacgctggc 120
 cgataatatt tatttacggg agaggatgct ttttagttcg gtgttgccgt aaaaatttac 180
 aatgtacgtc agctagggtta ttttagttcg gctcaaccga agttatggtt cgaccgacag 240
 ctgaatgttt tcattgctca gctacanaaa cattagccca cctcggataa taacttgatt 300
 ctccgatact gatcgaaaaa taatgctagc tgacgtcgac gaggaagat caacgatcga 360
 agtttaaaaa agaagcatca ccggatgacg ccgatcgaac 400

<210> 25706
 <211> 302
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25706

agaatgtgct tagagcttct attctcaata cgagcgtctc gctatattac gggctctccat 60
 cggacatccg tggaaaagat tattgacgct tgaatttgca acgagcttac aatttcaatg 120
 tcgagcgtct cgatatatta cgggactcaa tcggacatcc gagtaaaaaa ttattgtcgt 180
 ctgatttgct acgagcttcc gttttcattt ggagcgctc aatatattac gggactctat 240
 tggacattcg agtaanaagt tattggccgt tgaatatgct cagaagctca ttctcaattt 300
 cg 302

<210> 25707
 <211> 430
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25707

caagcttgga gtttcctagt gccaatcgt cttcttcttt agtccagtct tcttctgggt 60
 tcaattcttc agtgggcttt cttctgtgt ccagcatctt gggatgttcc cagcctttga 120
 tgacagcttt ccagggttctg ctatccagtg atttgaggaa ggccaccatt cttgctttcc 180
 aatattcata gntgcttcca ttcgagaatg gtggctctgt cactgggccg ccttctttct 240
 ccatgttcat cagaatntat ctccctagat ctactctgt gatttcgagt gttggctctg 300

ataccaattg aaattctgat accaagggac agatgtcgta ccggatgtca cgacatcacg 360
 cttcagaaca tgcagattgt atgtgtccgt ntgaaccagt ataacaagta aataacacaa 420
 gagaattggt 430

<210> 25708
 <211> 310
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25708

agcttacttt tttntctct tctctataaa gaagcggant aaccaggccc tttagtcctt 60
 tttagctagt tatccaaggg atttggttac agtacaaggc aacttaccct gttggaatgt 120
 ttattactac taatatagtg tagcggcatc tcatttctca aggtattgtt ggttctagat 180
 catctagaat tataatgagc attggacttt gatatctggt gagtcatatt tatgaacgtg 240
 tctaaatgta ttatgtatgt acatgctcat tatttgtcct tatgctttga ttacttgtga 300
 tgcantccta 310

<210> 25709
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 25709

taagtcaata tcttttatct gtcttattca tgcacatgcc tatattctga tcaatgaatc 60
 atcttaggta ctataacata actattctgt atacggctct ttgtattgct aatgctatat 120
 atgctacatc atattttgat aaataaatac ttttaggtag tataagatca tagtttgaat 180
 cgtaatgtta tatggacatt agatttacgt tatatgataa attacgaata cttttacata 240
 ctctaagggt taattttata tgggtacatta agaatatctt taattttgat atgatacata 300
 agcctacttg aaatttcct 319

<210> 25710
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25710

ggcgacgact gtgctatcct tgccatgatg aaaggcgagg aaagcgtcaa tcgctgctag 60
gtccactaac ccttccatat ttggaaagag gacaactcca aagatcaaaa gtgccaagat 120
gtcaataaaa gaagcccatt cgccttgatt tgtcaaggtc tttgcccttt cctccaaaca 180
cttcattggt actccgacta ccccatcctt gttttgcttt acatgggtcca actcttgtgc 240
tgagattntc actaccttgg caactcttgt catggaggga tagaaccag aggaaagata 300
tggcttcctt cctcccagtg ggcattccag aatttcttca aactcttcca ccatgggtga 360
tagctggaag tcccanaggt gaagcacttc aacgggctga tcaaatac 408

<210> 25711

<211> 430

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25711

tagaaagatc taatttctca acactttggt actttaagaa caaaaactat agtccgagtg 60
attccatttg tagatgataa caaattgcac agtgtgcaaa atttcaacaa atcttattaa 120
tctatttaga gccaacattg gcttggtagg acaaagaata gtggatttaa gtcaagcttg 180
tggtagagct tgcaagagta agattaagaa gtggcaatga aaatacttgt tactttgtta 240
agttattgga aactcgggtg gttaccaaga acgagatgtg gtctcggggt taggatgaac 300
caacataatt ctttgtgtgc cttgctctat tattttaact gacaaatgat ttgaatntgt 360
ctttggatct tatatgtagt ttagtttaca aagaacacta ttttctcgt catctgatat 420
agtatgatct 430

<210> 25712

<211> 342

<212> DNA

<213> Glycine max

<400> 25712

agcttcaaca ttgtatttcg agcgtctcga tatattacgg gcctcaatca gacatccgag 60
taaaaagtta ttgttgtttg aatttgetca gagcttcaac attcaattcc gagcgtctcg 120
atatatgacg ggactcaatc agacatccga gtaaaaagtc gttgtcgttt gaattggctc 180

agagcttcaa cattcaattt cgagcgtctc gatatgtgac gagagtcaat cagacatcca 240
 agtaaaaagt tattgtcggt tgaatgggct cagagcttca acattcaatt tcgagcatct 300
 cgatatgtga cggggctgaa tcagacattc gagtaaaaag tt 342

<210> 25713
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25713

gagccaattc anatgacaat gactntntac tcggatgtct gattgatgcc cgtaatatat 60
 cgagacgctc gaaattgaat gtggaagctc tgagccattt caaacgacaa taacttttta 120
 ctcgatgtc taattgacgc ccgtaatata tcgacacgct cgaaattgaa tgttgaagct 180
 ctgaggaaat tcaaacgaca ataacttttt actcgatgt ctgattgagt cctgtcatat 240
 atcgagacgc ttgaaattga atgtggaagc tctgagccaa ttcaaacgac aataactttt 300
 tactcgaatg tctgattgag tctgttaata taacgagacg ctcgaaattg aatgttgaac 360
 ctctgagcaa attcaaacga acaataactt ttactcggat gtttgattga gactcataat 420
 atatcgag 428

<210> 25714
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25714

naagctacat atttgtctgt tggaagaaag ccatggatgc tgagagtaca gctcttgaag 60
 taaataaaac ttggactgct gaggatcttc catgtggaaa ggtccaatt agttgcaaat 120
 gggatatataa aatcaagtat catgccaatg gcacaaatag aatgtacaa cgccaggctt 180
 gtggccaaag gttacactca gatggagggt gtatactact ttgacacttt tccccata 240
 gccaatga ctacagttcg tgtgttacta actgtcgctg ctgataagag tcggcatctt 300
 gacaacttga tgtcacaatg ctgtcttgca tggaacttga atatgaagtt atatgctctt 360
 ctctgggtat gatcttctac tcttcagtat cgaattaaca ttccttattg ggtgaccaac 420

taccgtcatg

430

<210> 25715
<211> 161
<212> DNA
<213> Glycine max

<400> 25715

aatccatcaa ttcatcactc tatatatgcg acttcgggact ttgctattag atatcactat 60
ttatctatta tacttgcaag aagaagggtg taacatacat atgtacatat tgacgaagag 120
actcaatgat gcaatcctac cccctcccc aaggacattg g 161

<210> 25716
<211> 266
<212> DNA
<213> Glycine max

<400> 25716

cacaccaagc acggccacag acacaaagca cgtacaaacc caccatcacc tattggccac 60
ctacaataga gctcacgtac gccacgtag cccatatccg cgtgggtcac gacagcgaga 120
gccagcaat cctcccaagc aaccacaaca gccagggaat ccaacatgcg aatcagcaca 180
agccacaaac ccagcaaaac agggcaaagc cagacaacgc tgccgcaaac tcaaaccaaa 240
ataagagctt agctcaccaa agaccc 266

<210> 25717
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25717

gacacataaa actcagctgc ttgggagctt tatggagctg gacttttttc tttttgatgc 60
cttcaagggtg attgtcccca tggagatgca gtagaagaca aaggataaga ggtgagagga 120
ggcgccatcc actaaggaac aagccatgga agaaggagct tcgccatcaa gagagtgcct 180
tggataaaaa gcttggaaag ggtgcttcaa tggaggaaaa gaaagagaga gagatagaga 240
gagggggggag cacgatattg aaggaagaac agaggaagaa nagttgaact ttgagttgtg 300

tctcacaaga ctctcattca tcaaagttac cacaagtgtt acacatactt ctatttatag 360
cctaagtagc ttccttgaga aact 384

<210> 25718
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25718

agcttttaaat gatctttgtc atgcagccga tgagagaaat aggctgtag tcatttaacg 60
attgaggatg atttgattta nggatcaggg ccatgaacga agcattgctg cctctatgaa 120
agcttccatg gcagtggaaac tcatccacaa atctcctgaa tttacgtctc agaatcttcc 180
aaaaagcctt aataaagttg aaattaatac catcgggacc tcggcatcta tcaccaccac 240
aactccaaac agcatcttta atctctcgat cagataaagg cgcaatgagt ccctctctct 300
gattctgatc aatggag 317

<210> 25719
<211> 449
<212> DNA
<213> Glycine max

<400> 25719

agcttgtgaa ttatggtggt tctacaatca ttaacaagtt cttaaaccat aaagattagt 60
atagttagtg gctggcagtc atatctaate taatgataga accgacaata cgtgacccat 120
gtgtatgaaa gaatgagtac ataattagaa ggctaataat gccacatttc aatatgaaga 180
ttgaacatga agaggcattg tgcttctaata tggaaatcct ctatatcatg actaaaaagt 240
aaagtgaac acactcctca cacatcacat gcagcttcac caagaatcct taatcactgt 300
cctgaccaca ctctttgtct ctatgtcact acgacattgt cattacattt gagaagatct 360
ctataaaata cctagatgat caattttgga atatatatac ggactatat aggagtaatc 420
acttttatcc gaatcgcgtt cttatgtgt 449

<210> 25720
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25720

agcttgttct ttatttatcg tgattgntgc tgnccgatgac gatgtcgtc ctcctttacc 60
ctcactccaa ctctggcaac aacaccagtt tcaacgtcac ctcatgttg atttgatcaa 120
cgactactgg ccaacctctc gctattcatg atgcacagag attcagtgac tcatggaggc 180
ttatatgtgg atacactggt gtgttcaatg gattgactgg actttctatg ggcgtttctt 240
tactttcttt gcttgagcag tcccacttat actcattcaa ttatatttat tggacgctaa 300
acctgaaaac tgaggtagaa aaaccaagtt gaacatagct tcaacttggg aacctaagat 360
ttagctttcg ttttcattct tttatcatgt cgctgatcat attgagctat gctattagta 420
aaa 423

<210> 25721
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25721

ggatatagtg gagagtagac ttactttttc aggttttgtg gtaatcaatt gtcttcctca 60
tataatcttt gagttaattc tagaattctt tatcttcatt gatgctaaat gttgggtatgg 120
tgctattctc aggtatttaa ttgtcccata agatcagatt cagccactgt tntatctgaa 180
ttgacagaat cctcacatga cttagtaagt gcagcattca aattagcttc tcttacaaga 240
aaacagaagt gctttcctta ttgtaatttt ttttttctta gatccaatga aaacatcagc 300
ctttatgatt tatgaggaaa tgagctgaat atagcttctt tcattctac 349

<210> 25722
<211> 282
<212> DNA
<213> Glycine max

<400> 25722

agcttttgat taatttatat ggtcataaat agtcactcgg aggtccgatt catgcacata 60
atttatcgag acgctctaaa ttgaacaacg gaagctctca gaaaatttaa atgctcataa 120
cttttaactc ggaggtccga ttcacgggga tgatatatcg agacgtcca atttgaacaa 180

tggaagcttt tgaacaattc aaatgggtcat atattgtcac tcggaggccc gaaactagcg 240
cataatatct cgagacgctc aaagagaaca aacggaagct ct 282

<210> 25723
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25723

ttacagcaga tattagtaat gaccactaa cctataataa attaacttaa tgccatttac 60
ctanggaatg gaganaaaac ttaatggctg agtgtaactg aaattgtggc aaccaaagt 120
caccaccaac agccaacttc agccaccatt tggctctcca aaaggctgat gcctagagtg 180
ccaattggac ccttattaca acttgaacta aacctaacta aagccctttt aattgattaa 240
cccanaacaa ttttttggtc aaccaacttt acaaggattg agccattatt tagacaaatt 300
aaacactcta aaaattgaga caaagtgggtg tcatttagtc ctccctcatt tggccatgat 360
acactcacac cttggacttt cttggcttct tgcttaccct tgc 403

<210> 25724
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25724

ttcttatagt tttttcaacc tgacacaaga gaaattctaa taagtaggga tgtaagcttc 60
atggagaatg agaagtggag ttggaacgat gaaaaaaaaat cagcaaactg atgatttgaa 120
tcaagaaggg ttagttgatc attctcctgt tcgcaacact agattaattg ctgacatata 180
tcagagggtgc aatgttgcta tgcttgaacc agcaggatat cangaagcag anaaagatcc 240
taaatggaag gatgctatgt agaaagagct cgctagatcg aaaaanatca gaccggggaa 300
ttagttgaaa gacctcaaca tcagaagggtg aatgcagatg cctcaattaa caaatataaa 360
gcaagggttag tggtnaaagg ggtatgttca agttttggag tagatttatt tgata 415

<210> 25725
<211> 427

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25725

tcgtgaccag cgatgtttcg gttatgtgca cgaaggagag atagaagaca gtgaatggng 60
atgacattng gtgggccttg gcaacactaa gctttgatga ctatgctgaa ccaatgagaa 120
gggtacttgca tagatataaa gaggttgagg tagaccataa taataaggtc aatcttcaag 180
atagagagaa taatagtcct gaagagaacg acgatgaagt atttcaattg agtaatagag 240
gggttaaggt ttgatgacca attattatgc ttagtgtgaa gtagtaatta attaaggctt 300
gtttanggtt gacattactt ttcttgata cttttcttgt cttaaattgaa ttgattgagc 360
ctgcctagaa caagaattct tggtttgctt tctttctttc tcttcttctt cntatactt 420
atatact 427

<210> 25726
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25726

tttcttgtn cttattcttcc tcagttctct aacaagctgt gaacaatata cttggccttc 60
atttaactgt ctttgggctt ggcggccacg ctcaacaaag tactttcgac acctactata 120
cgttgatttc accaatgctg ttatgggaat gtagtgacaa tcctttaaaa ccttattgat 180
acattctgag aggttcgatg tcatgtggcc atatcgacgt ccttctctat cgtaagccat 240
cgtccatttt tcctttgaga tgcgatcaat ccatgttgct atagctggac tcaattcaca 300
aaatgtttct atattttgat aataaatgtg cttgcatgga gtggaggctg cataaattac 360
gcatgaataa caattttatg ttaattaaag taaataacgt g 401

<210> 25727
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25727

gagctcacag tacatcccat gtgagcccat atcnctcgta ttctctcaac aaccgggtcc 60
ccatcaatcc tcccaagctt cccaacatc caggtaattc aacattcaaa cagcaciaaac 120
taccacagcc aagaaaacag ggcaaaggca gataactctg ccanaaacac caacaaaaat 180
cacagctntt tctcacttaa agaccaata acatttcctt tgttccaatt cgttcaccgt 240
tggatcgact cgaacattnt actggaagtc tctagtacat aagcctacat ttg 294

<210> 25728
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25728

gaagatgatg aatgggaaac acgggggccc aacaataaat ctgctgttac caagactcaa 60
agctttcttc catcagaatt aagtggattt tttggaggac aacttagaag tttggtgaga 120
gcctaaggta caaaacaact ctataatata ttagtgaagg gattcttttt gttttaaatg 180
tcaacttcat taagatnttg ggaaaattca attggaccag ctgttgcttc ctgctgatat 240
tccttcaaag aaaaaatgaa catgtacata aatgatgtat tatataaac aaacattat 299

<210> 25729
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25729

agcttgccta tttatcctat tattgagaga anatgggtat gaaacacaca aaatggaagt 60
actaagtatt tattacctat acttaacaga aaatacttat aacactacaa aataaccata 120
aattgaaaga gtttgataca atntatacaa gttttataca caaaagttag tcgtattcat 180
cgactaacia ggttggtgtg tatgtctttg gtaccgaga tgatgttttg ctatgggctc 240
gaacgggtgc ccatgaaaac ggattagttg taatcattat gaggtctgac acacatactg 300
gtagtagagg aagaacttca tttgtgttaa ttggctgtga aaggagtggc cagtataagt 360

<210> 25730
<211> 350
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25730

tctagagagt tctagagaga gaaagggtcca agtttcatag attttttagag atnccgncgt 60
ttgaagagct ggagagatca gagcttgaag atgaagccgt tctgagagct tgagatgagt 120
ttgtgagtga ttgtgacgtc ttaaagatgg aggaggcatc cccactactt gtatttcttg 180
aatctttcat ctttctcttc tctttgttgt aaaggaaatt ttctaattat ggaaagctaa 240
atcctctatt ggatcttcct tgtaggtaca tgatgtaa atcttcttat ctatataatg 300
atggtttggg tgttctcagt gctttcagat ttcactctan tatgctttac 350

<210> 25731

<211> 358

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25731

agcttgccgt ttatttcggt caggcgagct cagctcgccc aggcgagcca ggtttcttcc 60
tccagaagca acagctntct ggaggaatct tttggagggc ccaagtgggc cttggtgcta 120
tttacacccc catttttact aaatgcaccc ccttttctat ttttttgtaa ttcttttctc 180
gtaacgttac gaaactttac gaatttcgta acgatactta ttttttcttc cgcaaggtta 240
cgaaccctta cgaattatgt attttctctt ttttagcttt cgaagaagtt acggaaactt 300
acggattggc aaaaacacct cttttcgact tccgcacatt acngaatttc acggatcg 358

<210> 25732

<211> 308

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25732

taaatagagg gagtgatatt tctnccccct tatcttattt caaactntct ttcttctctg 60
gtcaaagatt tttctcctaa aaaaatacaa aatggagtgc tcaatgataa ccctgtcgag 120
ttattcctag gttcatggca aagtcaaaac ctattccact agtttctgta cttacatgtc 180
gatcatctat ttcttgaag gtgtcacatt ttgccatgat gatcgccag gagtgatggt 240

ttttgagtcg cgtctcgcta gtgagcacgt ctttatgtgt gcctatccta tagagacaac 300
gttcatgt 308

<210> 25733
<211> 298
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25733

agcttcttga ttgntatgtg tggaccctca agtgcaatcc tccgttctcc acttatttcg 60
gaaccccatg aatgtcattg cctagcgcta ttcattgtgtc ctccaccttc gagtctggag 120
ccccacgaat gtcattgcct agcactgttc gctaattctc cattottcac ttttattcgg 180
agcccatga atgtcattgc ctagcgctgt tcatgtgtcc tccaccttca agtttggagc 240
tatgcttcat tattgcctaa gtgtggaccc tctagtgtcaa tccctcattc ttcacttt 298

<210> 25734
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25734

tgatcttgta ggccactgcc cctgatgtca gctccattgg ttcttgttta cctaggatct 60
tctccatcaa tggattcctt tgcttttttg aagatgaatg acaacgtaat ggagaagcaa 120
gagagagagg agacgccact tcaaggaaaa gtgagtctag aagaagctca ccaccataag 180
aggccatgga taagagctta gaggaagaag gagatgaatg aaggagagg aagagaagag 240
cacgaaatth tgtgctctaa aagagctctg aaatctgaag tttaatattc aaatgatcaa 300
agttgaaaaa aatgcacaca catgacctct atttatagcc taagtgtcac acaaaattgg 360
agggaaatth gatntcaatt caaattcact tgaatttgaa ttgaantgtg gagccaactt 420
tggaccaaatt ttactaatat 440

<210> 25735
<211> 268
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25735

agctngagtt tctttttgct gcccataaa gccnctcgaa gactgggtgtc gaccctattc 60
ttctttttccg gccctcttcg tttctcattc taatgcttcc gctgaggcca tgttgatgtc 120
cctcagctca tcacactctt tcctaaccct gatggctatc gtcttgaact tttccttgac 180
cactcacgtt ctttcaagta ctgctttcaa ggctagcaca tcctcgctct gctcagggac 240
tttagcctct tccccacttg aaatcttt 268

<210> 25736
<211> 439
<212> DNA
<213> Glycine max

<400> 25736

agctttttatt ttttcggctg cagcgtgctt tatattatcg atgcttagtt cttagggaaa 60
tttcatagaa ctctgatgat taatttaaga aaaatcttta taatttttta aataatagtc 120
tggtcttgaa tcttggtagc ggaatattct ttcattgcgtat tcttctttac acaaataatt 180
tcaaagtagt attctcttaa attctctttg caaattcaat aatgcaaccc attagacgaa 240
catggaatat gtaagatcta ctaacaaaaa tgagtattaa aaaaaaaaact acatcgatcc 300
caacaaaacc attatagaga atcaaattct tatgacgggt tccaggaaaa ctgacataca 360
agtacacata aaaaggatgt tattgtaaaa tgcacatatt cctaacaatt tataatctca 420
tggaagcata ccacttcta 439

<210> 25737
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25737

acacaagaaa ctcagcttat agactacgag atataagctn tttataagct tctttttttt 60
nnnnngaaag gacgagatta taagctaaat atactcaaat ccagttcctg ttgtataaat 120
caatccgatt aatcagttga aaacaaaaat agactatgag atgagcgtgt ctcatcgatt 180
taatctcccc cctccctccc ccagttaca ctaattctaaa aaattacacg cataatcctt 240

gttttttata ttactttttac acatatatac agcagttggt ttttctataa taaaaaaaaa 300
ctacacattc ctcccttaca aattatacac acaataccct gaaaaaataa tgttattatg 360
ctaagtataa ttntntaatac aaagagtgc agtacaatta ataccattat gctaactctg 420
taacagatca gtgaattatc tccat 445

<210> 25738
<211> 250
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25738

gaccgaggat cttaagtcga cctgaggctg caactttagt antttcttca ttggaatctc 60
taggtggggg ctgcctacct tggctctccc tgcaaactca tgctctgctt tgccataaga 120
caagatcctt tcagagctaa aaagttgaag aatgtaacca ccccctttaa cactgaaatt 180
gcaacatcca acttagtgaa ctttatctca ttaaaaatat cttccgatta tactgttata 240
aattgacaaa 250

<210> 25739
<211> 333
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25739

agcttttact ttttatntcg agctttncga tatatgacgg gactcaatcg gacatccgag 60
taacaagtta ttgtagtttg aattagctca cggttcgggt attccatttc gagcgtctcg 120
atatattact ggactcaatc ggacatcaga gtaaaaagtt attggcggtt gaatttgctc 180
agagcttcga gattccattt cgagcatctc gatatatgac gggactcaat cagacatccg 240
agtnaaaagt taatgtagtt caaatttgct cagggcttcg gaattccatt ccagagcgctc 300
tcgatgtctt acgggactca atcagacatc cga 333

<210> 25740
<211> 281
<212> DNA
<213> Glycine max

<400> 25740

ttgagcaaata gcacacgaca ataactcttt actatgatgt ttgattgagt cctgcaatat 60
atcgggacgc tcgaaatgga ataccgaagc tctgaacaaa tttaagcgac gataaccgtt 120
ttactcggat gtctgattgg gacccgtaat atatcaagat gctagaaatc gaatagggaa 180
gcgttgatca aattcaaaca gacaaggact ttttactcgg atgtgcaatt gagactcgca 240
aatattcgag acgctcgaaa tggaatattg aacctctgag c 281

<210> 25741

<211> 448

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25741

agcttgtagt tgatgcttca atggaggana agaaagaggg agagaaagag agatggggga 60
gcacgaaatt gaaggaagaa aaaggagag aagttgaact ttgagttgtg tctcacaaga 120
ctctcattca tcaaagttac aacaagtgtt acacatgctt ctatttatag actaggtagc 180
ttccttgaga agctttcttg agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta cacacacccc tctcataact aagctcacct ncttgagaag 300
cttccttaag aagattccta aagaagctag agcttagcta cacatacctc tcttatagct 360
aagctcacct tcttgagatg agaagctaga acttagctgc acaccncta taatagctaa 420
gtcacccnc atgacaaann aaaacatg 448

<210> 25742

<211> 200

<212> DNA

<213> Glycine max

<400> 25742

agatgaaccc atttcgggtt atccattggc accatgttat cgcgggacca tccatataca 60
aagaagctac ggtgatcctc ttgaggaccg gtcagcctta ggagtcaaag aatcggctga 120
atttgaaaat ccagcccact ggatcttgcc catcgaaacg gagagcgtca agcttcatat 180
gtggtatggg agtgggtggc 200

<210> 25743
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25743

tatcttattc tatgtttgcc catatctaag aagctntaggt atatctaatt ntattttaga 60
 atatctaagt tattttgtttg tttttccctt ttattgcctt agtaccatcc ttttgcatta 120
 tctcatattt tttttttgtt ccttcattct gtatcagatt tgaccatgac tggaaaaaga 180
 ttgaagcatt tgttgtatca aagacaatca tccaagtaat ttcaaagca agttgtgact 240
 ggatatttac attagctgtt gtttctgggt tgttagccat aaatggtatg gattgaatta 300
 ggcatgtnta tagttttgaa gtgtgtttga ttatgttaca ttaanggatt tggcactttc 360
 caaataaaga atcggttatt ggacatgaaa t 391

<210> 25744
 <211> 442
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25744

ttctttatga tttagatggc ctacagcaaat tccttatttc cagaaaggaa ttctatcaat 60
 agacctccaa tctttaatgg agagggttac cactactgga aaacccaaat gcaaattttt 120
 atcagggcaa tagatctaaa tatctgggaa gccatagaaa tagggcctta tatacccacc 180
 acagtagaaa gagtttcaat agatggtagt tcatcaagt aaagcataac catagaanaa 240
 cctagagata gatggcttga agaggataga tnacgagtac aatacaactt aaaagccaaa 300
 aacataataa catctgccct angaatggat gaatatttca nggtttcaaa attgtaagag 360
 tgctaangaa atgtgggaca ctcttcgata acacatgaan gaactcagat gttaaagatc 420
 tangataatg cactaactca tg 442

<210> 25745
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 25745

ntgtggagta gaaacatggg actctctcat tntattncan attaaaggaa gtcgtatcta 60
gtcaaggtct gagagaccat acaagtttcc taacgatttc taattatgtg ggccattaag 120
tctatcatat gctgacaata gccgagaagc ccatgaatct cttcgggggg ggagtaagtg 180
tctgccattg ccttggcctt ggctaacaag cggagaagtt cttgactccc gttcaaagta 240
agagcaaacc ggtccatcca catgggtgcc tcttggtgta aagagtcgat cacccttcct 300
ctagcctctt tttccgcata tacttgagca tactcatccg cgaatctatg ctcgtgggcc 360
atggctagac ctaactcttc ttggtacttg gcgatgatag ctagcatgtt ggtctccgtc 420
tcgcataaat gc 432

<210> 25746
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25746

ttcttatgct tatttcagcc tategccctt agactaatgg ctagattgaa cggaccattc 60
agtcgctgga ggaccgtttg agggcatgtg tcttagaaca aaagaggagt tgggagagtt 120
aaagactact caaagtaggc agaaaaacta tcaggctgct caagaataac tgagaaggtc 180
aagttaatcc aagaaaggct aaagactgct caaagtaggc agaatagcta tcaggacaag 240
aggaggaaag acctgaaatt tgagattggg gatcatgtat tcttgagagt cattccattg 300
attgggttgg tcaaacattg aaatocccaa nactcatacc tcagtttatc aacccttttc 360
anattctcaa atgagtcagt cctacggcat accaaaatgc attacctctg tctctttaca 420
atcttgacaa tatctatcat gt 442

<210> 25747
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25747

ttagatagct tggtgttatc gattacgaca accctgtaat ctattaaaac agagagttct 60

gcctcttgaa gaaactnttc taacttagaa acttttcttc acactaatca tgatgatgca 120
 tgatgcaata caaatatcaa atgtactaag atgcaacaac caagataaca accaatacaa 180
 atgccactca agggatttag gcatgtaaaa gtgaaaactt cttcaagctt ttctttgagc 240
 ttcaagctgt agcctntaggt ttgttcacca tgttgctcct tctatctcta acactgcact 300
 cc 302

<210> 25748
 <211> 462
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25748

ctcagagtca cctgcggcat gcaagcttcc ttctcgTTTT ccttatacct agaacttcaa 60
 acgttcgatt ctcaactgat tcttcaccaa atcacgtccc gtaaagccca atcttcctct 120
 ttttcaactcc tctttcactt ccaccgatca aaatccagaa aaacttcac c aaatggcaga 180
 gccatcaaag aagagaaagg gatcatcttc caccgccacc gctgctgccc atcgccgtca 240
 cggcccatcc ggagcaccga cagcacctat tcttccttct ttgtcatctc caagatcatc 300
 aacattgttt tcatccgatg atcaacgtct acggtacctt tctcaagttt cttctagaat 360
 aatcttagac cctaagtacc tagacgtaga gttctttaat gatgatacgt ntgattgcta 420
 tcaagtgggt caaaattctg ggctggtaga ttcatgtcat tt 462

<210> 25749
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25749

agctnctgct tatcatcacc agatataagt aaatctcaac ctatggtaga attgacttaa 60
 tatcatttat gattaaatgc gtgtaatgta cttatccac tcttgtcaat taatataaat 120
 taaaatatgc aagagacttc caagatttat acttttcttg aactttcgct tcaactataga 180
 aatgtacgcy aattcttgac caaacaaatt aataattaca actttcatgg tattaagctt 240
 acacaatcta atcgatattc tattcatagt cataaaaaga tgattattaa atgattaaat 300

taatactgag tatgacttag agtgaactgt actcagtcaa tactttgata ataagtatta 360
caagaaattt gaata 375

<210> 25750
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25750

atactcagct tgactatgtg gaaggcgggc tccttcacta cttgctttaa cgtatctntg 60
accactgctc ttccttcccc cgatgcttct gttcatatcc gcttgagtgg gcttatagcc 120
tataccatac ttcccacgat ttcctttggc gtttatcacg ctagttatgc cgccattgtc 180
tttgccataa cccattccgg gtgtggaacc gttccacaac ataactcggg ccatcattac 240
tgctgcatcg gacagacaag gctgccaga gaaagagtcc acggaggaaa tgctgaccac 300
ctcanaagac tggaaagcga gttctaacga ttcttctgcg gcttctacat aaagcataga 360
ggatgggcag ctaccaaga tgtctatctc gctgacacg atgaccaa at gccctccac 420
tacgaatttc atacttttgg tggagt 446

<210> 25751
<211> 413
<212> DNA
<213> Glycine max

<400> 25751

tttgatgatg acggtgatga ttacaaatga tgacgaccaa cgtgatgacc aaaagctcaa 60
agatcaatct aagaacagct catgtaaatc atagatcaat catgaacaat tcgagatgtc 120
aagataagaa tcaagaagaa ttcctgactc aagacaaaag tctgaagaca agaatacaaga 180
ttcaagggtc acgatctcaa gaatcaagat cactgattcga gactcaagat tctagaatga 240
agagaagact caatcaacat aagtctta ataaagtcttca aaactttgac tagtacatga 300
ggttctaaaa aaccttttac caagactttt actctctggg atcgacacca gagtgttgat 360
tcgataccat tagcatactt gtttgaataa gttgcaatgc gattcacacg tcg 413

<210> 25752

<211> 315
 <212> DNA
 <213> Glycine max

<400> 25752

cagcacactc acacacacaa aatttcacaa ttctaggggc tccctccttt taacccatgt 60
 actgctgctc ccagtgagcc atttcccctt cacctgattt gcatgttatc tactctaatt 120
 gctatccatc ataaaagcca ttacgacgca tccaaaaccg cttcttatcc taacaagtta 180
 aacaaacgaa acattcccat gttcctttct cttcttacca aactaactac ggcaacacat 240
 cagcacatac atttatttaa acacagcaaa aaccactctc acacaaaata tcattaacac 300
 ccaacaaggg aagca 315

<210> 25753
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 25753

ttattttata tccaatatat cctctaaatt attatattaa aaatttatat attattaatc 60
 aaagagattt gaacattaat caaataagtt aatttaaaat atagaattgt ctttaatgga 120
 ataaataaga acaaaattga tttaaacgaa aaacttatct caaatacgtg aatgttatta 180
 ttgaaacttt aaatattatt taatatttga aaataatttt atcaattaat ggttaaacad 240
 gattcgagaa tgtaatatgt acttattata cttcattctt ataagtgggtg attacatgat 300
 ttaaaatatg aggttatcc 319

<210> 25754
 <211> 454
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25754

agccttcaca ttataaaaa agaattaagg tatcgctcgtt tatcggaata gnetctttat 60
 atgcggaaat tatgttacgt gatattctta ttaattattt cagttattta ttacatcaat 120
 aagaataatg cgatatttct attgtaataa aaagattaaa ttcaaaaaat taagactcac 180
 acttccttaa taagaaaatt tttgtgaaaa acttataaaa aatcattttc aaaaaatatt 240

atctatcacg agatttattt ttttagaacg aatattacac atgataaagg ataattttga 300
 acccaagatt tgcaagagat tcanaatttc tcgccccatc aatcacctcc taaagggttaa 360
 acatgtactt atacatatat ttaagaaaat aatcaatcat ctcttaaagg ttaaacaatgt 420
 acttatacat atatgttaat attatctttt atta 454

<210> 25755
 <211> 271
 <212> DNA
 <213> Glycine max

<400> 25755
 tttcttgatt ttatgggagc ccaaccctcc attcaattgt cttgtctctt cgatcatcta 60
 catcactaac cccaaaagaa ggtaatgaaa cagtaactaa cgcaacattt ttctacgaag 120
 cgttgcatta agatccaatt tacaacgact tcagtagtac tgctcgctca agttagagaa 180
 tgaaagacat tggaactcca ctctaaagca tttaagctta taccaacgaa tttatagtaa 240
 tattcggcat tgctaaaggg gaatatgata a 271

<210> 25756
 <211> 289
 <212> DNA
 <213> Glycine max

<400> 25756
 tgtaggggta aagtcttacg attttcacgt gtcattgcaa ctattgtgag ccgggggctat 60
 atgagacatg gtgccaaaca aagtcagggt aacgataact cgctgtgct ttttcttcca 120
 tgctatatgt agcaaagtca ttgatctagt catgtttgat gagttggaaa atgaggccgc 180
 aattatactg tgccagacgg agatgtagtc tccccctgcg ttctatgaca tcatgattca 240
 cttgattgcg catctggaca gagaatcaca tgttgtggtc ctgtttatc 289

<210> 25757
 <211> 406
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25757

agcttcttgt tcatgaaaaa catggctact cttgngtttg tacacaccaa gtaagaaaca 60
 tcattctgcc tcaacatcat tctgaaatgt ttggcttttg tattaatta attaagcaaa 120
 ggaggattct tgaaaagaca agcccagcca agacctggag gtaactagt aataagaact 180
 gacaaatggg taacttggtt ggcttgatta gctgcttgct actagcaaca taccatcttg 240
 gctggacttt ntttcttcta taaatnntcc ttcagatata ctttanaatt aaggctcttg 300
 tcacctacca tgtgtcactg atngtttgaa aatatataag aaaatcaaga accanagatg 360
 aagggtctaaa ggcaaaagta aaatgaattg taaaagatgc tagtat 406

<210> 25758
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25758

tanataaagt agtagggttg acaatcaagc ttatatggtt ttagtcacta ctttgngaatt 60
 acatttaaaa tgcataaggt aaagagaggg ggtaaagaat gaggcaagca ctagaaggag 120
 gaaaataagg tagtatcaaa caatagatcc tacattgtta aataattctt ttgacaaatt 180
 aattactacc ttattatttt atttttatgg acgaaccatt aaaacttagt tngcaccatc 240
 ttctaactcc atcctttata atattttggt gtcttcttca agtggcggtg tgtntgagac 300
 tgtttgaaaa ctatntctta tcatgtttcc ttaacatgat tgaagtttcc taaagttctt 360
 aaagttaatt cgcccaactg tatntttcta cctagcctaa agaaccactc taatnnttct 420
 tcttttgtct tataaatgtc ccac 444

<210> 25759
 <211> 446
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25759

agcttcaact tanagttcat actttgntgg tcttcattga tggcattctt acaatccaag 60
 ctttagatag ctttttcata gcttcttgga tcatcatcat catgataaac ctcatcttgat 120
 gtgtcatcta ggaccatcaa gtttaatcta tcagggtgcac gatgcgctca agtagatctt 180

ctagaaggtt catgcattgg gttcataagt tgctaaattg gctctaagat tggttcatta 240
acctaatttt gaactatagc tggctcttga accacaattg ttggaggtga tgacctttgt 300
ggtaactnta gaacattaaa gaaaggtatc tcagtttcca tctcatagtc ctgagttggt 360
tcattgggta attgagtctc atcaagctca acttttttac catgacttcc tcctgcnagg 420
aatacccttt ctaaaaatag atcctc 446

<210> 25760
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25760

agcttttgat ttttgtttga agaacctaac atggaatgta tggtcacca cataagtaaa 60
cattatctcc ctttactgt aaatatcatt tagtcttcta aatttaggct aacctttgta 120
gatgagaatt gaatctttat catattcaag cactttgacc attaataccc tcccttgctt 180
atcaatcaac tcttagtcta taaaaacttc attcttaaatt gttatccaaa actttggaca 240
aaciaagaga gagacctatt tcattgacat tggaaagtat gttcaaacad cgatatatca 300
aanatgtcat ttacatagta atgtattttg tatagggttt tgaacaatgt atacaattct 360
ttgaaaaaca taaataacaa gtacagaaac aactcaagag actattcaca ttcatgataa 420
gcatttgagt aactaaatta ta 442

<210> 25761
<211> 373
<212> DNA
<213> Glycine max

<400> 25761

tgcattcatg aacctaacaa acaataactta tgcatatctt cagtcctgct ccaatgaata 60
aatcggtata agtaaaacat gtatgtttat tctaaactcac cccatcttgg agcttgcct 120
ctacagcagt ggcacaaaaa agaattaggt tcttctcaat cttatctgat acttctctca 180
tcattatata ctgatcagca ctgactacat tcttggccct agagaattta ctatcaaact 240
ccttgatttc ttctgcatca agttcacgat aggccagtat aaagggttctc agaccgcgat 300
cagcatactc atgcacatgc tccatgggtt tctcttcaaa ctccctccta ttcttggcaa 360

gcctttcaaaa cat

373

<210> 25762
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25762

agctttttgt atttggtggt ggaattctgc tctttctttt gaccagctnt tctgatccgg 60
ggacaataaa cactgagaat gtttctcact atattaatgc ttatccctat gataatatta 120
tttattcaga gaaagaatgt tcaacttgca aaattccaaa gtgagtttgc tactattgca 180
gaattntggt gaaatattgg ttaaactctat ttataaaaact gtcttaattt ttttatgcag 240
acctgctagg tcaaaacact gcagcatttg tgatcgctgt gttgcacgat ttgatcatca 300
ctgtggatgg atggttagta atctttgaca ttctccctct atatttgtgt tgatctcatt 360
taatatatat catgtgtttc gttggagtgc tactanaagt tgctttactc acagaacaac 420
tgcat 425

<210> 25763
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25763

ctacacccat tgtagtcca tgctcagcag gctcttagct gttcatgggc tagtcttcta 60
caagatggta gagcaaagg tccagatggt catgacattc ttagtggatc agacttgaaa 120
gtggaagtga tggaggaaac aattctgagg gatctcacac gtgagatgtg ttcactcctc 180
tctgtcattg cttctcctcc ccttaataact ggaatccctt ctttgaaca atctgggcat 240
gttagtcgat tagatatgtc ttctcttaaa nacttgata cagttgcatc atgctccatg 300
gttgggtatg ctttccacct gttacgaaat atgtatctat tatagntctt tcatattttg 360
aaactgtagt ttgtgatctt tatttctcan caattttata tgacagt 407

<210> 25764
<211> 420

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25764

ttctntacta tgcaaggaat aaccaaggaa aattccttca tctgacttag catcaaactt 60
tcctaagttt tcttttccat tgtttaatac aaaacactcg caaccaaaaa catgaagatg 120
cgagatgttt ggtttcctaa cattgaacag ttcatatgga gttttcttta aaatgggtct 180
tattaaagcc ctattcatga tatagcatgc agtattaacg gcttcagccc aaaaatattn 240
tggaagaaga gtatcattta ataaagttct agcaatntct ttcaaagaac tatntttcct 300
ttcaacaact ccattntgtt gaggggttct aggtgcagaa aagttatgtt cagtgtcatg 360
cttatcacan aataaatcaa attatttatt ttcaaaatca ccccatgatc anctctaata 420

<210> 25765
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25765

tataagaaca aaattgtctc aattatttcc aaatatgcat gttaattang aagcatcaac 60
aagaatcaag ccaaggctat tgtgcaagca atcaatggg caaaacacac caaatgatta 120
tgatgatgga tggctcanat tctcacaag gtaaactcat cactttcaaa ttgagctttc 180
aaaactatca tgacatgtag aggagaatca aggatttcaa gtcacaaaat gtcaagaact 240
tttattttca aaacaattac ccatttcttg aacatattct ataattcaaa gaanaacatg 300
caaagtcgta catgcacaca aaattgaccc anaatattta aactaaaatc cgacgaaact 360
aacaacatta acaaattaac acaactaaca aattaacaaa a 401

<210> 25766
<211> 401
<212> DNA
<213> Glycine max

<400> 25766

aaaacttgag gttacgggta tcaataatgt caaaccagca cagataaact aataaacagt 60
taaattatgt aagtagagat gttgattcct attccagtca aagtagacca taactatttt 120

aatttacctt tcttgatatt cttgtatata ggaggatata attgatgaca atccaatatt 180
 caatatggcc tgaaataaaa cctttctgca aacttagcca catatatagc tttctgttta 240
 atatcatgtg gagctttttg gatcaactac acttccctct tcatattttc cttcctatta 300
 atattcatgg tgtataaaac acaatattca agtaatcaca taccaagaat cccataataa 360
 atttgcccca ggccgacgaa gttacctcat atatatatat a 401

<210> 25767
 <211> 273
 <212> DNA
 <213> Glycine max

<400> 25767

agaatctgaa taccattag ctatttctgg aacagcatat agttgtattt aaagagggca 60
 gaagacaaat aataaacgtg ctgcaccagc tcttgctgca aagcctctc agcatcagca 120
 gcaacaacaa cagcaaaaga gatatatgca gaaccaacag cagcagactg ggatcaagcg 180
 tgctcgagca tcagcaccag ttggccctgc agctgtctc aagaatgtca attcaactat 240
 tcaccactac cagcaatctc ttgcccatca atc 273

<210> 25768
 <211> 347
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25768

tctttacttg tatgccganc aagcgtaat atatggagac cttgatattg aataacacaa 60
 ctctcgagaa attcaatggc ataacttttc acacggatgt ccgattctgg cgcataatat 120
 gtcgagacgc tcgaaattga acaacggaag ctctcgagac attctaattg tcataacttt 180
 tcaactcgag gatccgatca ggcgcataat atatcgagac gtcgaaatt gacgaacgga 240
 agctcccgag aaattcaaatt ggtcataact gttaactcag aggtccgatt caagcgcata 300
 atatatcgag acgctcgata ttgacatctg atgctctcta gaaattc 347

<210> 25769
 <211> 405
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25769

agcttctatt ctgccaaaac gaaggagact gagtatggat ttaagataac aaagctagta 60
acagtgtctt ggggtcaaaca cccacatcac tacatgaaag agctgagagt atttcggggt 120
ttacaaagga acgtaatttg gaaattccga ccacgccaat gtgaccggggg ttcagtgtag 180
gttacgaaaa taacatgcat ttcattgaaag gataatgttt acaaagtctc tttctctaag 240
gtttttcaaa ggaagcataa gacaagcaat ggcagttoca aagtcagaaa agatgcaaag 300
acaagatgaa actaacaaga aacaatcata gaaccatgat tacctcgaaa gagaacgaaa 360
gatcagatta nggttttctg tctctaccga aaccgcaagc caagt 405

<210> 25770

<211> 396

<212> DNA

<213> Glycine max

<400> 25770

agctatattt ctgtaactac caaagttcag gttaaaggct gttcctactg attgcagtga 60
atgccccatc tgcttagaat agttctatgt atggaatgag gtatgctttt tctaattaa 120
ggatctctaa catgtcatgc catgtgctac ttgccatctt attactgaaa catgttctcc 180
tcatctgacc tcatgaatta tttgatccct gcatttttta caaagttgag atgcaatgtg 240
tatcggtgag gacaactaga aaattagttt cacacttact ctaatgcacg tccctggcct 300
cgctgtgct cacaattttc atgtagaatg cattgatgat tggcttatgc tcaatggata 360
tgtctctgtg ccggtgtcac ttttccaaac cttatc 396

<210> 25771

<211> 370

<212> DNA

<213> Glycine max

<400> 25771

cccaccatat tttcatagta taacactggg aatgtgtcta ttattattgt gatcatctct 60
ttctctcat ggaacgtacc acttgagctg ccaagtctct ccacctttgg gcgtattctt 120
tgaaagataa gtgccccctt atgcacatgt tctataagtg catactatcc ggagccatat 180

taaaattatg ctgatactgc ctaacatagg aaaccattag atccttccat gaatggactc 240
 aggaaggatc caagtttagt taccatgtaa caactacccc agtaatactt tcttggaaga 300
 tatgtatcaa tagatcctca tctttttcgt atgcccgcgt ctttcgacaa tacatcttta 360
 gatggttctt 370

<210> 25772
 <211> 216
 <212> DNA
 <213> Glycine max

<400> 25772

atacatgaga agaaatgaat cgacttatga cgaatgcact tcttaccacc ttctaagaga 60
 aagatgctta tgacaagcta ttatacccta cacaacgtat caacgagtct agaagagtac 120
 cataaacaga tgattatgac tttgaggaga gccatattct atagcctata acttgcatgc 180
 cttacgtacc tatgagggcc taatacttac attcaa 216

<210> 25773
 <211> 566
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25773

tactacacac ctttcgaata tacacactcg aacctctcca tccatacaca accaaacaaa 60
 gggagggant ttgatgcatt gatagcacgg canagcgagn cgnacccgga gaccacaaaa 120
 ccgacccggc agcaagcaag ccagttaatt attgtgtacc catcacatga ggccactaggc 180
 ggcgcgcagg caaaggcgc caacaagatt cccacatcca cgaagcgcgc ataaacccac 240
 catccaatga agcccacctt caactgagct cacgaacacc cacgtaaccc acatacacgg 300
 ggggtctcaac accgaggacc aataaatcca caccaagccg tcgcaacatc aaagcacgac 360
 aacattcaca cagcacaagc tatcacagac taacaaaaca aggcaaaagc agaaaactct 420
 gcgcagaacc gcaaaccaaa aggcagcttt actaaacaga agacaccact gccataccct 480
 aaccaattg ggaaccaggg gaccaaacca aattctaccg gagatccata agataagcct 540
 acattagaac gcgggaggag acgaag 566

<210> 25774
 <211> 457
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25774

 taagctntga gcatattcta acgacaataa ctgtataatc ggatgtcctt attttgtccc 60
 tgattatatc aaactgctcc aaattgaaga tggaagctca gtacaaattt aaacgagaat 120
 aactttttac tcaaagtgtc gattgagtca cgtaatatat cgagacgctc tatattgaaa 180
 acggatgctc atatcatatg tgaaccgtga taacttttaa ctcgatgag cgattgagtc 240
 ctgcatata ttgagacgct caatattgaa cacagaggct ctgcatgat gctaacaaca 300
 atatcttttt actcagatgt ccgattgagt acttgaatat gttgagacgc tcgaaataga 360
 aaacaaacgc tcctagaaaa ttcaaacgaa taacgtttta ctcatatgtt cgactgattc 420
 ccgtatatat cagacgctct aaattgaaac gaagctc 457

<210> 25775
 <211> 309
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 25775

 agtttgtag attcctgctt tccactgagt ggcttgacaa atggcctgcc aacctcaaa 60
 tcactttacc cangaacttt tcaaaccact gtccaatctt gcttaagtct atatacgtca 120
 actggagtcc taaacctttt aggattctag actgctggtt atcagacaat tctttcaaag 180
 aaactgtgca caattgctgg tctccaatc agtaatcaag atggcgaagt tatgttcttc 240
 atgaaaaaat taagagactc aaataatggc tgaaaatttg gaataaggag aactatggag 300
 atacttaca 309

<210> 25776
 <211> 314
 <212> DNA
 <213> Glycine max

 <400> 25776

actaagcggg cctccttttaa aagcttcctt gataagcaag agcttagctt cacacaccca 60
aattaaaact aagctcaact ccttgacaaa atacgtgata taacaaaaaa agagtcctta 120
ctacgaagac tactcaaaat gccctgaaat acaaggctta aatactatac tactagaatg 180
gtcaaaatac atggcccaaa agaacgaaca cacctttata gtattttacaa ataagagtgg 240
atccaaccta gacccatggg ctcaaaacaa aaaaaagagt ccctacttca aagacatact 300
caaatgccct gaaa 314

<210> 25777
<211> 427
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25777

agcttatctt cactttgtac atgcagccta tcaaggatat tggctataa tcatttangg 60
actgaggatg gttaactttg gggataagag ccaagacaga ggcattgctg cctctatgga 120
aacaaccgtt gacatggaac tcatccacaa atcttctgaa ctctggtttt agcacactcc 180
agaattcctt aataaaattg aaattaaaac cgtccggccc atggcactta tcttcaccac 240
aactccacac tgcttgctta agctcctggg ctgagaaagg taaaattaaa ccctccctct 300
gcctttgatc aagagaatgg aattgaactc catcaatggg aggcctacag ggattctgct 360
caaataatct gttgagaaag atagtccacag cgcctatctt cacctcctct ggttgctgga 420
cccacag 427

<210> 25778
<211> 391
<212> DNA
<213> Glycine max
<400> 25778

agcttatatg atattcaaact ggtcataact tttgactcgg atgttcgatt caagcgcata 60
atatatcaag acgctcgaaa ttgaacaacg gaagcattaa agaaatccat atggtcataa 120
cttttcacac ggaggtcaga ttcatgcgca taatatatag agacgctaata aattgaacaa 180
cggaagcctt cgtgatatgc aaattggcat aacttttaac tcggatgtca gattcaggcg 240
cataatatat cgagacgctc gaaattgaac aacggaagct ctctagaaat ataaatggtc 300

atatctatta actcggatgt gtgattcagg cgcataatct atagagacct ctaaattaac 360
aatggagctc ttggcaatca aatgtcataa c 391

<210> 25779
<211> 302
<212> DNA
<213> Glycine max

<400> 25779

tttatcgcta ctagatccag gatgggtgat ctttatcaaa tctgatattt aactgggtata 60
aagagtaggc ttcctttgtg tttgggggca aagagttgag tgcaaact agtgagggtg 120
acaaatttat tttcaggtat ctaagtcac atatgtccac ttccagtaat tcatctataa 180
ttccagtgtg taaaggtaaa actatcacat atggatgctg acgttgctgg ccaagaacat 240
agtttacaaa ctaccaagga tttctcgaat tatagctaca ccattggcct aatatagcat 300
aa 302

<210> 25780
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25780

ttaatcttga ttaggacaaa agtttntaat ataagtacta gacttaaaaag aacaataaca 60
tttgaatttt tgtcacaatt ttcacttcat acaataaaaa aaatcttaaa tttagttggt 120
aatataagta caaaaaaat atacttgtat tttgaaaatt tgtctctaata taatgaggag 180
tgaaaacatt ttaaaaggca caaaagttgt gttgaatatt tattaatatt gtaattgttt 240
aaccatgtca aaataagagt ataataatat gaaatatatt atattactta taggatcaat 300
catcctcatt gtgaatgtgg gcttgatctc tctaaagccc ctagatttct atgcatccaa 360
cgacaagttg agtagttgca atggat 386

<210> 25781
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25781

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aaattgcatt agtcataagt tgaaatatgc tattatacgg tgatttacat gcaaggacca 120
agagggtgaaa tatgctaagc atttgattac aaatgcctac atgatagaaa gaatgtccaa 180
tattgtgttt gctcaattgt tgatgaggca aaaagtctat tgacactacc aagagcttta 240
gtttatctct ctatcagatt agaataaaag atcaagaatc aattagctgg tgttgatgga 300
gttcanaatg tcagaactca acaataatta tccattctac tcacaatatt gcaaaaatgt 360
catctttgat attttgtagt cactttatac ttttaggata tttactactt tagagatatg 420
t 421

<210> 25782
<211> 366
<212> DNA
<213> Glycine max

<400> 25782
agctcttttt ctttttcatt tataaatata ataacaccga atgttggaat agtactaaac 60
atttccacga ttaggagcat gcaatgtaat cgataaataa tgtgctccta tacatttagt 120
gattttttaga ggacaaacta atcagtggcc atgtgagaat agcacgcaca atcatattta 180
gtgtgcacga acacaaaatg catgcagagc cgttatcttg gagagtgttc tggtagcaca 240
gattacgtct acattaacgc ctttacaatc tacatgcaca tggacgacag agtgagtatt 300
aattgtaa attagataac tacatttcta acctatattt ctatattgat tacaataatg 360
aaatat 366

<210> 25783
<211> 350
<212> DNA
<213> Glycine max

<400> 25783
aaatgaggac aggaggcaga cattgaagta atgctgaaaa agttatccgg agtactgaca 60
atgtaagatt ccttttctta aagtaaagac attcctatca tatgccagtg gagtgaatc 120
taacctacac atctacctcc aatcagctaa atgaactata cgccaacatt agaatgagaa 180

ttaggagata aaggaaagca cgtccttcct cataacagcg tagcatacag ttaccagttt 240
 ttgtgacaga agcccatact tacaaccaag tgatggcaga tagctcactt gaacttgact 300
 ggatctttgc tggaaagaaa agaaggatgg gatttaaagt taccccatac 350

<210> 25784
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25784

agcttgctct cttctagcag agactgattt ctgtatcatt tgattcaagg acaaatacat 60
 agatcaagct acaagccagg aaataattct atacttacta ccaaaaggat tattgggtggc 120
 aaatttagag gaatagggta atttaaaaaa taatcagaaa ttagtagatt ttgaaaatat 180
 tacattgata agtcatgttt taaaatatta ctttatataa aaatatcatg ttctaaaaca 240
 cgactttaga actacaattg taaaagata ttgaaattat attctagaat acgacttcta 300
 actgtttata tttattgtaa taaatatatt aaaattggat tcactactac aaaaagtatt 360
 ntttatgacg tgtgatctac cactgattatt 390

<210> 25785
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 25785

gaaaatatga gatacttatt tgagggtgaag aggcccaaaa caacattccc aaactgtctt 60
 catactttca tctgtataaa gggagagggtt ataacttctt tcactcatat aatagcccta 120
 ttcttctgga gctcaaaatt cccttatctc ccactctttac tgcgtgtact agaaaagctc 180
 attgagccca agaaaaaaga aataaaaaac taatgagtaa aacaatctgt ttgaaggggg 240
 agacacatac caactttatt ttagctcttg gttactgact attgtatata tgggtgttctt 300
 ttgcagggtt gtgatgctaa tgagacacct cactgtcaac ttgtctaacc ctgacattca 360
 acccattgta agtttcaata tcaatcacia tgat 394

<210> 25786

<211> 499
 <212> DNA
 <213> Glycine max

<400> 25786

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agggtttttg tcctcgatga ctgcattcga taggtacgga gattcctcca gagacctgaa 60
gcatgcaaac tagttttcttc tctctagctt ccgcaccggt atgaccatcg aagactgtca 120
caatcccgac cgcaaccttc ttgatcccggt tcggactggt acacgtaatc tgcattatcc 180
atcgaatgct tctgaccaat cttctagaac actatccacg gggacataga tgttggttgc 240
ggcgaaggta atgctataca tcgatgtcgc aaagagcgcg atcctcatgc tagtttctgt 300
gggcttgga cttgcggtt tgccatctcg ctgtggtttc tggaggggtga atctgtttgg 360
agaacttaca ctgggggcat attgtggatc tgaacaccac cttgactcac gcgctcttgt 420
atacagtcac gcactttaac tactcaccga gaacctatgt gatagtggct caaacatata 480
ccatatcgct agtaacaag 499
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<210> 25787
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25787

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atgtacactt ctccagcaga caataaagtg ttatgttccc ctttntagat tactttgcga 60
tcaaaatctt attgctgggt ttagacatca caagtatgca acagtataaa aatggagaac 120
aaacaatgtc tttttttttt tcaatccaac aacattatgt ttcactgtta agcactatta 180
ctggcactat catttgacta tatgtccaat tcagtagcta ctgtatgtct ttgaacccat 240
cttcatcaca tgatgtcacc atgcctcaac ttctagctac tgcaacatcc acacgcctct 300
tttgcccgag gtattttctg cttttatcag ccattcttct tctacacca ctaataatag 360
aaaanaataa aaaatatact tacttatagc ttatatatat tgacaattcg taagatttat 420
atgaattggt aatgcgtaag tcattacgaa ttta 456
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<210> 25788
 <211> 345
 <212> DNA
 <213> Glycine max

<400> 25788

aaatcaagaa caagctggtg gacacgttgt ttgcgtgtat gatatccact ccacaagggtt 60

tgaagtagag gagaccttca accctataac gcaacgtggc ggacaaaaat gggcagttaa 120

cttgaatggt cattattgtc aatgctgaag gaattctgcg cttcactatc catgttcaca 180

cattatcgct gcttgtggat atgtgagcat gaactactac cagtatatag atgttggttac 240

acaaatgatc acatcttaaa gcgtactccg cacaatgagt ggctctagag aatgaatcag 300

gtataacctca ttctgatgac gcatggacac ttatcactga tocac 345

<210> 25789

<211> 453

<212> DNA

<213> Glycine max

<400> 25789

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aggttgtgtc atgtacactg taacgacccg cctcgtcgat atgatatcac cactttatac 120

cgcgagaaac tccaattttt caatgagaac tctgctaatt cgcttatgaa aaatgagaat 180

aatttttttt ctcaacatac attcaccaaa caacgcacca tttactcaag tgaatatata 240

tatataggaa tagtgactca atacacatca tacacataat ggaaagtaaa tttgtgattt 300

acatcttcaa atcaacaaaa agaattaccg aaccagctat ggacgagttg attaacaaaa 360

cacaactctc ttccaaaata atcccatcgt catcacgttg gtcggtgat ttcacacaag 420

aaattcactt ctcgtaactt actgctgtca tct 453

<210> 25790

<211> 339

<212> DNA

<213> Glycine max

<400> 25790

aataacttta actcagaagc tttatcaa at gcaaacggca ataacatttt actcgaatgt 60

tctatttagt cacgtaatgc atcaaaatgc tcgaaattga taacagaagc tcggtgcgaa 120

ttcaaacgac aattagtttt tactcggatg tccgaatgag tcccttcata tatcgagacg 180

ctcgaaattg aagacagaag ctagtactaa attccaacga caatcatatt ttactcagat 240

gtccgatgga gtactctaata atatctagac tcttgagatt gtcaccgaag ctctgagcaa 300
attcatcacga acaataactgt attttcgaat gtccaatgg 339

<210> 25791
<211> 376
<212> DNA
<213> Glycine max

<400> 25791
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tgaatcgagt cacatcactg cttcgtctac tgccaaacat atttaggatt attgatgtcc 120
ttgttacttc cagtttcacc ttgacaaaga tgtcatggac catgttgaaa atctaaattg 180
attcaacccc atatcctgcg taaaaatag caatacttcg actgtacatc attcgcatgc 240
atccatgctt ttcattgggt gcattgctca tcgcattctt tccttgaaaa ataagataca 300
ataatacgaa cttatcaaaa agaaaatgat acgctttacg gcgtccttac cgaactcgtg 360
ctagagctag agtaat 376

<210> 25792
<211> 401
<212> DNA
<213> Glycine max

<400> 25792
agcttatttt cctactcctg aggatccggc ctcaggagtg caaacctgta ataagcacag 60
agattctccc ctctttcaca atcacagggg tcttcagaaa agtgttcaaa gtatcttcat 120
caaatttgat cagatgacct ctgaccctca cctgcttagg tgacttgtct ttcgggtcgt 180
agagggttgc aaaaaattcc ttcacaatag caacatcgat gttgccgtca gcaaaactag 240
tcagctcctc atcccatttt cttctctcga gttcctcctt gaactcatcg aacttagtgt 300
aatatactac tacatatcct cggcaccaca atatcgttat atatgtccca agctccctga 360
gaatggaata ttgatctcgt caatttgatc tgagaggatg a 401

<210> 25793
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25793

atctcggcac gtgtcggact tcatcatttg tgcacatag gatgccagt atctgcaagc 60
ggctaaccac atgttgcacg tcatcaaggt ataatccccg gacgaaatta tggatgaca 120
gatggctatc aaactcaggg gcggcactgg acccttccgc cggggcgtag ctctatatc 180
tcttcgtgga aagttntatc ggagccattt cctgcgagga caaacgtttg gaaagttaat 240
ctacaatgaa atgtcattnt aaagcaaaaa tggcatacta atcttttcga cttagaacia 300
acttacgcac atatatccct gaagaagaac atttatgaat gtgcatacac gccaaataat 360
ctactatcta tatcaatata caacgatatt gcaaacattc caactactta tattccacac 420
atattccttt gaaaa 435

<210> 25794
<211> 385
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25794

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agatccagca atgtctcatg aaccccccg tgctgatgcc ccagtggtt ggaagacctc 120
tcttcctcta tatgatagtg ttggatgagt cgatgggggtg catgttgatg caacacgatg 180
attctagcaa gagggaaacg gtcgtctatt acctaagtaa gaaattcata gctgcgaaa 240
tgaattactg ctttttagaa ataacatgct actccttggg atgggcgtcc catcgtctgt 300
gacagcacat gctctgggta ttcaccaact gagaaggag tgggagacta tggatcatac 360
gttggtctct accatgcatg catca 385

<210> 25795
<211> 452
<212> DNA
<213> Glycine max

<400> 25795

gaagttccta aactgtccag agattcaaata aatatctttt taacctaatg caaaatatgt 60
tataccacat aggctgcaca cttttgttga tttatcattt aagaatgaat tcaacatcat 120

atctttgaat aaccttttaa ttgattttct atcatccatg agcataaaac tgaatagttt 180
atcttccac ccccaaggag aattcatgtt ttaattactt tactattcac catgatgatg 240
ttcattctat aatcttatat aagtaaaata aaattacttt ataatctcac cttcctggtc 300
tttactaaaa attaaataca ataaaatgta ccaaaaaaaaa tgtaactgca attacttcat 360
caataaacia aaaggaattt caattagaaa tacgaaatta accaaaattc tgagattacc 420
ataaattaga atatagaaca agtggtatac aa 452

<210> 25796
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25796

agcttangtt atattataac taccaacttt tctgtgagaa taaaattcac tgatcataac 60
caatttttga aaaaaatgtg tgttcacctg aagggtggac gctgtgaaaa ttttcctgga 120
cgcccaatat ggactctgat gaatgccac atggatnaaa gaacatgttt tggaaacatt 180
gggctgattt aaaatagaag aaatgaatcc tgagccctag catcacatga ccataaaaaat 240
atgacacttg agtgtcgta taagtgcac catgaccaat tttgcataag aattccaaat 300
catcattctt gcattttgtg tcatggaaat aatgtggagc atccctttta tacttgagcc 360
ataccaaact ccgcatgtat catgtctagc cattct 396

<210> 25797
<211> 134
<212> DNA
<213> Glycine max

<400> 25797

tcttcaggaa aggacttcca gcttccttta ctctaaacac tgctcttaaa gtcctccaat 60
gactgaatgg tccttcatat gccatcaact aagatgggtc ctgactcatc taacttggtc 120
ccaacctctg tcaa 134

<210> 25798
<211> 424
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25798

gcgtggatcg ttgactcgat gacnacnnna aaatanatac ccngcttata cccaaatgac 60
ataacacgag gaaggctctc atttatTTTT gaaagaagac tgggaggggtt acatgttata 120
ccaactcata tgtattcaat acaacataaa tgaccatcct atatcaattg taaaatanca 180
catatcactt cataattgaa accatcgaag aatacagatc aacttttaggt catgtctgga 240
gcttgttcaa ccattaaaga taacaataat ttttcaggaa acattttcaa gagaggactc 300
tatgattcat atagaccatt gaattttgag cttctgataa cacatgaatc tataaagata 360
tggtaaaatt cacaacaaca taacatctct tgcaactaca tgtctataat aggtgtaact 420
tacg 424

<210> 25799

<211> 363

<212> DNA

<213> Glycine max

<400> 25799

atcttctata ctttatacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60
gatatattaa gaaggggggg ttgaattaag atatcccaa ctattttccc aattaaaaaa 120
ttatttcact ttcttttcaa gttatagatt cccttaacaa tgaacttctt aaatattaat 180
tcaaatacaa caatttgaat atgaatgtaa agcgataata aacaaaggag attaagggaa 240
gagaaagtgc aaactcagat ttatactggt tgggccacac ccttgtgcct acgtccagtc 300
ccaagcaac ccgctggaga gttccactat cttgtaaatt ccttttataa gttctaaaca 360
cac 363

<210> 25800

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25800

tgggtcatgg ttcagtttat ggattccttg tatctctatt ccatacacia tgcaaaggat 60

aaacatgttg aatgtcaaca ttacattgaa atatgggtta aggaatccca aagagagatc 120
taccaggag cttacttgaa ttagtgagta ataattatga aatgcatgtc aagaatgttt 180
gtgttatacg tagctaattg ttgtcgaatt cagggcccat tggcagctag ttgtgttggtg 240
tactacgaat gacattgatg tgtggttttg ttgcagcgt aagaagcctg atattcatat 300
caaagctgca attaacaacg taagttttat attatgactt attngatata tcataaatgt 360
gcaaagataa tatgtnttgt aatcgtatat ac 392

<210> 25801
<211> 387
<212> DNA
<213> Glycine max

<400> 25801

tctgtcttag tctgagttca gcctaccatc ctcagactga tggccaaact gaacggacca 60
ttcagtcgtt ggaggacctt ttaaaagcat gtgtcttaga gtagaaggga agttgggaga 120
gttttcttcc attgatagag ttcaacttata ataacagtta tcaactctacc attggcatgg 180
ctccctatga agctttgtat ggtagaagggt gtaggacacc cctatgttgg tcaaagccccg 240
gagaatgcct caccttatga ccagaagtgg tacaacaaac cactgagaaa gttaagttaa 300
ttcacgaaag gatgagaacg gctcagagta cgcaggatag ttatcatgat aagaggagga 360
atgatttgga atcgaagtgt gtgatca 387

<210> 25802
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25802

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gttatcattc gcatgaaatg tacatagtta tgggtgtgtt tggtttggat ctgaggccta 120
ataggggcct atgttgaggg gctgaaaatc cctaattgtt ctggaaatct cgatgatctc 180
agtaagtgea cctgtgcgct aagcgatttc atcagttttt gttgaatata taggtttcca 240
gatgaactcg ctaagccagc tccgtccac taagcgagtt catcattttt gttgaattat 300
tgaatgcttg catgaactcg cttagccatt gcacttaagc ttagcgagta tttaaatttc 360

tagtttttat ttgagttgta tgaacttgct aaaccggcat gccgtgctta gcgagtaagt 420
atgcttagtt cacgctctta aagtctc 447

<210> 25803
<211> 442
<212> DNA
<213> Glycine max

<400> 25803

gcttttagga gttgaaaagg ccagagaata atatctagaa gctcttgatt tttgacttga 60
atatatatat cattattgga gaccctaaaa atctgacttt attccctttc caaattctgt 120
ctagctatta tgccgtggcc tcaagttcta gtttacgttg ttcttcaatg ttaggggttcg 180
tcgtctccca aatgctataa cgatatcatt atgtgaactg tgaatcacag cattcaactc 240
tattgacagc ttgttatgtc ttattaaact accttaccaa ccgaactaac ttatattata 300
tagcctctcg tccacgcagc gcatgccacg tgaccctatc actgcttttc taacatactt 360
atattactga gtctctagat ttgggtcacga attatataaa cataatgaat actactatac 420
tacgtataat ttgcacagat ac 442

<210> 25804
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25804

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tgatgaatga gagtcttggt agacacaaat caaagttcaa attctctccc tttttcttcc 120
ttcaatttcg tgctccccc tctctctttc tctccctctt tcttttcttc cattgaagca 180
tcctctccaa gcttcttctc caaggctcat cttggtggtg aagctccttc ttccatggct 240
tattccttaa tggatggcac ctctctcac ctcttctcct ttgtcttccg ctgcatctcc 300
atggtggaaa atcaccatta aaggacctca ttgaagctca nagatccagc ctccatagaa 360
gctccacaag caagctttca tcagtaagggt ttcaaataca gcgtttcaat tcattctatg 420
tac 423

<210> 25805
 <211> 456
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25805

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 tttggtactt tgtatccccc tgtgacgtgc ttaagccatt ttacttaagt catttctcgc 120
 ttaacttaaa aataaaataa atttccaccg aacgtttgaa ttgtattatc cgttaacttc 180
 tgttaaaata aattccgacc gttcggtcgt gccgtaacca cgttggaaat caaaaagagg 240
 taaaacataa tataataata aaaaaaaaca tcttttagta aaataaagcg gaaaatcaat 300
 cggacatttt ctctttggga tatctcattc ttaatcgaat tgattaataa ctaaagtgaa 360
 actaaggcta aaatcaactc gcctagtcaa gctcgtccat aaaaatacgt tttgtgaagt 420
 ttgtcattac aatttctcac taagtataat ggatca 456

<210> 25806
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25806

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 ataatgaaac aagtttttca actagtaaaa aaattaaaaa tgagtcgaaa tatcttgtca 120
 aacataatca ttttatgtgt gatttaattc tcttccggga aaaaaataaa aaacacaccc 180
 taccctgat cgtcgtcctg gttcacggct tccatctcgt tgagtaccat gttccacaat 240
 ggtacaacta aaatgcagat tgcagaagaa attactgttt aatctactat tttacttctc 300
 ttcagaaatc tctcgtataa gtngctcatg atggagtctt attctaattg gaggtacact 360
 nttcagtctt cactgtattc aacagccttg tatcagggac gtcgaatat gtaaagcatt 420
 cttaggaact c 431

<210> 25807
 <211> 436
 <212> DNA

<213> Glycine max

<400> 25807

tctagttggt tattcatatg tattattagg agaaaagctt gttcttctaa agtacttgga 60
tagaattaat aatctaataa aagttcttcc aagtaaaaca cgaaatactg cttcaaaaga 120
tactttaaaa agtctaaatt cttgttatta tagatttcaa tttatgtctt ttctagagaa 180
ccatagacgt tgcttctgat ctttaaaata tttagtaaaa tcattaagaa atatatcaaa 240
gatatgcttt tgtaaaacac tgttttccaa tacttaaaac aagtatctaa catgtaaaag 300
taaagagaa gcagtaaaga atggcataac acccacaaaa attataccag ttcaccaca 360
acctttgact atgtctagtc ctacgcctat aggatttcca aacacaaaaa cttataacaa 420
agtagccttt ctcta 436

<210> 25808

<211> 328

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25808

agccagtcta ngttcataca ctgatccgtt caatnggcat accgaggaag aattatctga 60
cttgtaacct ttgggaaatt ccatataaac ttcttcaaac aaatctccat tctaaaaggc 120
attattaaca tctaattgga gaatgcacca atttctagta gcatcaaac aaagtaaaac 180
tctcacagtt gtaagcttgg ccaactggaga aaaagtgatg tatctccatg tggaacttgt 240
aagccttgaa tcttctttat caatggagtc ctttacttct tgaatatcaa tggccgcgga 300
atggagaacg aagaaagatg attggaga 328

<210> 25809

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25809

actaagctta ttaaagttat atggcttgaa acaagcaccg aggcagcgtc actatatgtn 60
taatgagtnt atgagcaagt caggattcaa cagatgtgac atggaccatt gttgctacgt 120

taagatatat actaatagct atgttatcct tgctgtgtat gttgatgaca tgttgatcgc 180
 aggatctagt atggcagaaa ttaacagggt gaagcaacag ttggcagaaa acttttggtta 240
 tgagaattct tagaaacata tcagaaggaa ttatgaagct gcctcatgag aaatatatac 300
 acaagttact tgacagggtta taccttgaag attctaagac tangaatacc cctttgggat 360
 ctcatthttga agtttcaaag aagcaatcct thtagacaga tgaagaaaaa tgctacatgg 420
 taagagtacc atatgcatca tcagtcgaca gtttgatgtc cgttat 466

<210> 25810
 <211> 415
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25810

agcttggttct aatatcctct agacgttata agagggggcca atctttcgga aaagactttc 60
 aagaagtttt tgaagatttc tcttgatgaa aactataacc tgcattccttt tgagttcaac 120
 cattcccact tttgcaccat ggggtttggt acctggtggg agaaatatta ttcgacctgt 180
 tcagttggag acactactat catgatctcc agacttgaga gtggtttttac acaaccaacg 240
 gtogagaata tccgctcaaa ccttcaagct cgaggtatta aattactttt gactntctaa 300
 attgatatgt agttttgctt tttctaatat tcttattttc aggcaaaaca atcatgacga 360
 agaaagtgtt gaaacgtctc gagctgatgt gagaccaag aaccactgg ggtga 415

<210> 25811
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25811

gttggaacaa acaggttgta tnacaaattt gtatcttata tgtatatcat nngnggaaat 60
 taaaacaaca tcaatttcag cccattttac atgtttcgat ccatcgaaat ataatatcca 120
 aggtttaatt catatatagc attccaatat tttgatgttc gaatgatcaa ccaagagatc 180
 tacctataac ttaggtctta atagctttta atggcacaaa agtaaggga aatccagata 240
 atgcaagggt ccatttcctt attctattgt gcaaaataga ttaagacaac atanatttaa 300

taacattgtt atgagagagt acttgaacat tgaaagattc tatataatac ttnaagttag 360
tacaagaata atacaagtgt aagcacagtt nntttattgc actatatcta atnttgacat 420
catta 425

<210> 25812
<211> 305
<212> DNA
<213> Glycine max

<400> 25812

agtctaagtt gtattttatg ccgaagtccc ttatgaggaa acgtgttcag tggttctaca 60
tgataaaaca attggtgtta atggtgaaga tgatgattca ataattgata cttgtgttgg 120
acatttgtgc acacacatgt tgcctaacgt catcaacgaa tacgaagttg acggcgtgca 180
tgcaaaatgt aatgatcatt ataaaggaga attaattaac atcatataat gtgatttatac 240
ttatatatac ttgctttcat ctccattcca ttacataact taatatagtc tttgacatta 300
tttaa 305

<210> 25813
<211> 414
<212> DNA
<213> Glycine max

<400> 25813

ctgtagtctt tggacacctc agagaccttg aagtttctgt tgtggtatcc agtgaagaca 60
ttttcacggt gtgaccatgc tgtgccagga tggatgcta tgaatgcac agtgacatcc 120
tggccagcac ggtctgagat tggaacatca ccaccagggt gctccttgac ccaatctgag 180
acattgtaca ccttacctcg aattgagatc cataaatctc cctccttggt gtgacccttc 240
agctectctg aggttatgta cttcttctcc ttctcaacaa cctccattgc ttgtgttaac 300
caaaaacaac acaaatcact gaaatcatc acaatgagaa ctacaataag aagatatata 360
gaatatagac agattgatcg atacgaacaa taatggcgta tctgggtctt ctgc 414

<210> 25814
<211> 146
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 25814

agtttaatat cgttggtata gaaccancca cggcaagaat tgcttgagca taataaacat 60
 aaccaggaaa taataactat tccgtgaacc gtaacgaaaa gagtattttt aaattattca 120
 aagaaaatca tgacactttt tcttgc 146

<210> 25815
 <211> 146
 <212> DNA
 <213> Glycine max

<400> 25815

ctatgcaata atcgaacttg cgcctctata tagatacact atgctacaca taaacagtgt 60
 cgctatacat atcactaaaa cttctaactcg atatataccg cacaccgcca accacacaat 120
 gccctccggg acgcccaccc ccatct 146

<210> 25816
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25816

naagaggcga gatcgacagc tacactgctt tcttgaaaag acttggcagc cttcacaacg 60
 gcatcgccaa gaccctttaa atgtgaagga gtggaagggtg actgacctag accattcaat 120
 tcaaccctgt ttgaaccaat actggaactc taacaacaag ttgcttgacc acttggcaga 180
 aaaatccttt ttcaaaaggc ctcaatttgt aaccacccaa ctttgagcta tcgttggttaa 240
 gatccttttc aaacttcagt ttctgtcta gccaatcttc tttgtaccac actgcagaat 300
 gacccttcct tttgtacata catcttacac catagatatt ttcataattt cacaacatta 360
 ctcttttcac catcaacg 378

<210> 25817
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25817

aagtatgtag tgaagattnt gatgatgcc aacaagaatc aaacaaggct gcttcaaagg 60
 ataagcatat gcttcaagat taattacaag attgtttcaa caaacaagc cttgattcaa 120
 gatttcttca agatcaagcc ttgtctcata actaagtgt ttcattgacat tcaacgctct 180
 ggtaattgat taccatgcag tgtatccaat accagaagac aggggttgaca aatagctgtt 240
 gaaaagggtt ctgaatttga atttctaaca tataatcaat taccatatgt gtgtaatcga 300
 gtactcacat cgaatactct gaaattaaat ttcaaagtca tgacccttca aattat 356

<210> 25818
 <211> 303
 <212> DNA
 <213> Glycine max

<400> 25818

ctctctctgt ctgccgtatg ctgtcgccca ttatctcttg tcaacatcac tgccgccagc 60
 caccgtcatt ttttccagtg atcactggat ctgggtgtgcc tcaccaagca tggcccagcc 120
 cagaagggtt caaagtccga aacctataa ctcaccatca tgtgcgtcat ttctccgcaa 180
 ctctgtcaag cacatgctgc tcacgcgctg gtctatggta ccagaactca ggtgcaacat 240
 cacagtcagg gtcgtcagcc tctccatgtc tagttccaat cttcagatca tcatttcttt 300
 gct 303

<210> 25819
 <211> 459
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25819

nttacctctn tattatgaag catgcttaat aaacaattta atttctaatt taatnanann 60
 nncannnggt ggggaaagat agatacatc taagacggct cttcagagaa ccgtcttaga 120
 ttgtctaact tctaagacgg ttttccaaac accgtcttag aatcattatt ttattttatt 180
 cttttctaaa aaactatatt ctaagacgg tctcgataaa tcgtcttaaa aaacctttac 240
 attttaagac gggtcttaga aaaaataacc ggcttaaaat gtataatttt tctaagatgg 300
 tttctaagaa accgtcgtaa aaaattgtaa ctttttacga cattggcaac atagacgggt 360

taaaaccgtc gtaagaagta ctttagaacc gatgtaaaat gatcttcttg taagagtgct 420
 atttccagac tcattggcgt ttggacttat gacttttat 459

<210> 25820
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 25820
 agttdtttttt tgttgtgctt caccgacgaa gggatcaaag tatgtctaaa aagaggcaaa 60
 tctgatcatc atgcttatgg acgaacacta taacctgcgg caaatgaaga gggtgcaaat 120
 gccgtataag accatgctgt gtgtgacatt gttagagaga tagtattcga cccgtcctag 180
 tggagactct actatcatga tccaccgact tgaaagtgga ttacacagtc atcagaaagg 240
 ccatccctaa aatcaaccac aaagcctacc taccgcactt tcaatgacga acatcacctt 300
 tagtacaatc caaaaacacc aaccaagaaa tgaattttgc agcgagaaag c 351

<210> 25821
 <211> 363
 <212> DNA
 <213> Glycine max

<400> 25821
 aatgaaaatt acgtgatcct gaggtaaact ctcatcttca tcaagtctat aacactgaat 60
 tagacttgct caaactaatt ttaaggtaaa atctccacct attcaaaatt tgacctctca 120
 aactcaatt cactataa atggctcttt tctttcacat ttgccactca ttttgctcat 180
 ttgctttgac caagcttttc tacaagcctt aattgacaat ctaaactaga atcaactcac 240
 tttaaactca aatttcact aaccccaaat gttggcttct aacctcaaa atcttacact 300
 tttgcaccta caactact accatctcat ttaactctaa gctaactttc ccacctctc 360
 tac 363

<210> 25822
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25822

taagtcttct taggaagann tctcaaggaa gctacctagg ctataaatag aaacatgcgt 60
 aacactcgct gtaactttga cgaatgagag tcttgtgaga cacaactcaa agttcaaatt 120
 ctctcccttt ttcttctctc aatttcgcgc tccccctct ctctttctct cctctttct 180
 tttctccat tgaagcatcc tctccaagct tcttatccaa ggctcatctt ggtggtgaag 240
 ctctttctta catggcttat tccctaacgg atggcgccac ctcttacctc ttctcctttg 300
 tcttcgcgtg catctccatg gcggaaaatc accattagag gacctcattg aagctcaaag 360
 atacagcctg catagaagct ctacaagcaa gctttcatca ataaagcata cctctttctg 420
 a 421

<210> 25823
 <211> 413
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25823

atagaatact aagcttggct ataaaggaca tagccatcaa caatttatct atctcgtagt 60
 anactnccgn tatgcgttct tcaatgtgag gcaactctct cgacataaag tcaacatcac 120
 aatccttctt cttaaccttt tttgtggagc gactaaaaaa gtccccctaca tggtcgatat 180
 cgtttggcaa aaccctgaca ccgctctcaa tctctctgca cctccatctc taaagaagac 240
 ctgagatgtt tatttaaact taactaacat tctcttgaat tcttttagtat tgataattgt 300
 aatgaccctt ctttgatact aaaacacatt tattctttaa ttattcctaa atttgaagat 360
 tcttatttaa tatatatata tatatatata tatatatata tatatatata tat 413

<210> 25824
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25824

tggcatgtca tatgttgatc atgagnggtc ttgtttgact tttctccgc aacaacaaac 60
 gtngatttga gggaagaaga atctgaacaa gaaactcggc aagagcctga tcttcaatgg 120
 aacccttttg agtcccttat gattcanaag atgaatgcta tcattcatct ccatcaaaag 180

catcaagccg aagttcacaa ctccttagag aacattacaa ctaagttcga gaacatagaa 240
 actaggctat gcctttgtaa cttcttgaac ccgaatgagg ataaggctca gatatgctta 300
 tgtgattggt tgcgatgctc tatggtcttt ctatcatgtc atgttctatt tcgcttagct 360
 tgataatgat gttcacatta cgtttgtctc tgattaaacg cctatgcaat atctttttc 419

<210> 25825
 <211> 87
 <212> DNA
 <213> Glycine max

<400> 25825

ttgaggattt ggtctttgcc agtgaaagga tcgatgcggg tctgaatcaa ggcataattta 60
 gccatcctac ttgcacgaat gagaaaa 87

<210> 25826
 <211> 168
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25826

atctttctttc aaccactga ctgatctgan atgccagat cagacctctt tatatctgcc 60
 ttctgcttca tcatgcttgc agcacgatgc aagcgatgtt taagaactcc tatcatagct 120
 ctctttgctg caaatgttct atcaaacgga tctaccactg aattcctt 168

<210> 25827
 <211> 233
 <212> DNA
 <213> Glycine max

<400> 25827

tgaaagctta gagacaatga tcttttcaag gaagacttaa tctcataata gatactttca 60
 ctgaagtcta taaaaggagt ctcaaggctc agtagaacac acgtcacaa actcaatttt 120
 ttgaagtgtt gaaactttgt caaaatgtga acgatcctat acttgtacct agagagttta 180
 ttctttgcat cgaaaagcta tttgtttgta cttggcctac attgtatata ctt 233

<210> 25828

<211> 95
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25828

agcttctttc tctttgctca ncttgacggc gaagccgggt ctgttatgga ttattcccta 60
 ccggacgacg cctcctctca cctcttctcc tttgt 95

<210> 25829
 <211> 192
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25829

tcatgatgat gaatcaagta gttatgataa cgacaaattg cctaaaagat tgattacaag 60
 antgagtcaa cagggttcaag atcaagatta cattcccgat tcattaacag aaatcaagag 120
 gattcaagat tcaagaaaag ctgatttcaa gattcaagaa aagacatcaa gaagaatcac 180
 gactcacgag aa 192

<210> 25830
 <211> 322
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25830

taanatctct tatgattaca acttttgggc taaacagtta gctttctgtt tatgntggag 60
 ataatagatt gagcttatat ggatagcaga tcggatccaa actattatga tgaaatttta 120
 atttatcagt tctcctctat ttttaagtctt cctcatttta cagcttgtga ggggtggagag 180
 ctgaggtctt aaagagatgt tctgagatag ggtatttgaa cctagcttat acaggaatcg 240
 aagcgtttga gatagaaaac tgcaaggcat tgaaacagct gaatgtaaag atttgtaggc 300
 tcgctgactg cttactcatc ga 322

<210> 25831
 <211> 178
 <212> DNA
 <213> Glycine max

<400> 25831

tgttttatgg acacggttgg tattgcacac aaccaaagta tccacagccc tgaactctga 60
atgcacggaa tccactgctt tcaccaccag cactgtgaga aaaggaaaca atcaatattc 120
tttcccaatc cataagaatt ttccacatgt gaatcagaca ccactaccac atcagatt 178

<210> 25832

<211> 188

<212> DNA

<213> Glycine max

<400> 25832

tgtatcaaag catggcaccc tgcattcgcg acaaattctg tttcggcagg atcatctttg 60
tgagggccat ctatctcttc tggatgtcta tgcgcaccac cattgttgaa aacaacgatg 120
accacaggca actggtaccg aaccaacgctc tggatagaag atgaagagcc acaaacatgc 180
ctcacccc 188

<210> 25833

<211> 212

<212> DNA

<213> Glycine max

<400> 25833

agtcttcatt ctgttcaatt gctccagggt gctgcatgga agggcaaagg tttgtatggc 60
gcgccaccaga ggagcacaaa ccacataccc ttgcgacagg tacatatatt tgattcaagg 120
ccagctgggc taccaagtta accaatgcat tcagcttggc ttcaagcttc ttaagctcaa 180
atgatgcagc tgaggttgga gctacctcat gc 212

<210> 25834

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25834

agcttgtggc ttgttctttc attngngtgt aaggtagga gctctagcat tgaaaaatgt 60
actgcatoct tacaactgga tagggtaggg ctaggttatt gaactgcaa acacagagtg 120

cggtaatTTta atgttgttca gttaggctaa gttcaacaag agacgtatga gaatgaagtt 180
 taatttgaat tatgccaaacc tcgcaagaca tcggnatttg gtatttatgc cttcatcata 240
 aaacacagaa ataatttcaa gtagagaaaa accctaattg catcaagtat cttagtagaa 300
 ggaccaaca ctttacatat ctgtttcaca ctccttgctc acattactgg tttactagaa 360
 tagaatactt tgtcttacct atgatataat ctttatgcaa 400

<210> 25835
 <211> 380
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25835

atctgcataa cagacactac tagatagcaa tgtgattcct cttttcaaca ctaganactt 60
 gtgagagggt gtcattgtgat tgtgaatgtc attatgaggt gtttgtttgt ttgacttact 120
 aagagtttgt taggtgggta gggagaaaga gctacactaa cactagtaca aggttttttg 180
 ttatggccct catgtcttgt ctgcattggt tttgtttag gtcattgcc tcaacaataa 240
 gttcccaggt cctactatca atgtcacaca aacaacaatg ttgtngtcaa tgtttataac 300
 aagttggacg agatcatcct catccattgg tagagtgtgc tttgttttct tcttcaattt 360
 cataaacctc aattttaaac 380

<210> 25836
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25836

agcttcatgt tgtttaatca agatagatnt aaggagtgggt gatgatcact aagatgatga 60
 caaatagccc aagagaatga gttcaagatt gaatcaagaa cacttcaaga atcaagagga 120
 aatttgattt caagattcaa gaatcaagtt tcaagattta agtttcaaga atcaagaatc 180
 aagaatccag aataatcaag ttgaagattc aagaatcaag taaagactca atcaagataa 240
 gtacaaaaac gttgttcaaa acattgagta gcacatgaat ttttcacaaa accttttgcc 300
 aaagaagttt tactctctgg taattgatta ccagtctatt gtaatcgatt accagtagca 360

aagattgttg tcaaaaagct gtcaactgaa tataacaancg tccaattgac ttcaaattggt 420
gtaaccgatt aa 432

<210> 25837
<211> 457
<212> DNA
<213> Glycine max

<400> 25837

cactgcgact gcagcattca atgctgacct ttttcattct tgcgcaccct tgttgccaa 60
atgcctttga tctctaagta catcagtcaa tacacgttcc atttcaaaat tccatgtaaa 120
ataacttctt gtttcctcat tattttttcc taaaactttt cttttgtcca tcattttttc 180
attagatgac tccattgaag ttaatgtcac ttattcaacc tgcacataac aaatattaga 240
tataacctac tttattcatt tgactagtcc actacacaat catagaaaat atttcaagca 300
aagtttgtat gcaatagcaa agtacataaa agtctatctt caatagaaaa gtacaatagt 360
aacaaagcac acaaagtttg ttgcaatag caaattacat ttaaaaaaga actatgctta 420
agcaaaagtt ctcttaactt gatagttagc aaacata 457

<210> 25838
<211> 367
<212> DNA
<213> Glycine max

<400> 25838

agcaatattt attataattt taacgcagac cagacaaaca cgatttccta tatatttaat 60
attttattgc tgatgcatct ttatatgtac agactttgtt aaaaaagaaa atgtcaaagt 120
ttagttaata aatcagattc gaaaattaaa attctcattt cacaatacga aggagagaat 180
gtactgtatg gtcggagatt ttgaaagcaa aagaaatggt gtagaagata tgatgtgaca 240
gaattttcgt agaaaactgt taaatgatgt atatctgttt caaatgtaaa ttgactcaca 300
gggctgatat ggaactaata tgcttaatat agtttgaatt tgatcgcgaa tcatgataat 360
aactaat 367

<210> 25839
<211> 430
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25839

actganactc aactaatcat cttctatcga attgagatta tatgatattt ttaatggtaa 60
ctttaacgtc aagtacatga ccaaacttta aattttggtc aagaaactta aatattgaat 120
cacttatatc agcaacttta gttatatttt aattatttat atttcctctt taaaaacaca 180
ataatattat tgaaacgtta ctttataaat aacattttgt attattaggc aaaattacat 240
taatcatatg gctataaaaa gtaaaaaacc aatcttgatt aaaggccttc tccttatcaa 300
gccattttta ccaatggatg tcgttttgat cttcctcaga gcgtacttgt tacattcgtg 360
gtctcgaaaa agaattaaat taaatattaa atatataaca tattcgtgct atattgcact 420
acaatcattt 430

<210> 25840

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25840

agcttaattt cttgttattn gaggtaagag atttgccttg gattcatcta aagactactt 60
tccttancac acttatgttc aatatgttgg atttgccttg gagatctgcc ctgaattttc 120
tcctttgaaa acatatttat ttggaaattc ttccaagac accattgaac cactgatgga 180
ggctttggag gaagattata tagatggata taagataaac gaatcaaggc agattattga 240
acgagtattg gatcttgaaa agagaatcaa tagactagat acattgactg ataaactaaa 300
tataacaaat tttgtcattg ttgaacatat tattaactta taaaccacat ctttaccatt 360
tggtaatatg ttgtacttat ttctgatacg agcataatac tatgacatga atgttca 417

<210> 25841

<211> 466

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25841

cgagtgtccn cattgaataa cctttattca aacctttctt agtttgtgat aaggctaaac 60

gaaaaattag ggaacttata gaaactacat ccttaattga aggcgtaggt gacaatcata 120
gcgaattact aaacaagatt agtagtttgc ttaaagtcac tccagatact cccaagctt 180
cggaaaatac ttccaaaatg gtaacaagaa gtacctccaa attaatatg gttattaatg 240
aagatagtga ccaaaactta gataacacaa ctgagatagg atcagtgtca gataagaata 300
tatatccatt aaactccaaa cactggataa cccctccaa attatattat caacgtccaa 360
ctgcccctga ctttctatta gaagatagat gtgattacaa ttttaacaag tttagtgtca 420
ataacatcta tgaatggaac atagatgcac aaacggagta taacat 466

<210> 25842
<211> 295
<212> DNA
<213> Glycine max

<400> 25842
gatctacaaa cacacgaaag cagcaaata tcattgtggt cacatcttct ttatatgaac 60
ctgtcagaca ttcgtgagtg tgcgcaaata atgcacatca tgaagtggca aaataactta 120
atatctttct aggattgagg tgttgtgtgc tgcttaatag taaacttgaa cttacgtggc 180
catcgatatt aaatggagcc tatgttctaa ttttcggaca tgtcgttctc ttaaagtcaa 240
gggaaagagt tggtagcgca atacacactg attactcatc tggttatcct gtgga 295

<210> 25843
<211> 337
<212> DNA
<213> Glycine max

<400> 25843
atctatttct cttgaacaaa taccctcag ccgaatagaa tccatcttag gccttcttcc 60
tacaactctc gtaaattggga gagaaatggt catctatagc atacaagtcc ctaatgtcat 120
caaactctat aattagagct cctacagagc aataaaatgt gtgtctctta gagagggcat 180
caactaccac atatcgtttc ccctttttgt atttgataac atatggaaat tgctttaagt 240
actctacca ttttgcatgc cttttgttta acttgctttg ccctctaagt tacttaagt 300
attgatgatc actatgaatg acaaattcct tggaaac 337

<210> 25844
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25844

gttgagccct tatataactg gaaacaagga gttgtttcat atctggatga aagctttagc 60
 cgaactgtaa aacttggcaa taacaccagg atggctgttg tgggaaaagg tgatgtgaac 120
 cttacggggc ggaacgcttg atacaggcta cggagttttg gatgatgcca cttccagtga 180
 aggaagataa gtcagggtag acgccacaag gattaccttg ataagtctga gattggttca 240
 acaaggaacc tagagagaag ctatcaccaa catttatgaa aatgccaaaa gtctttttta 300
 ttgaaaacaa aaaccaatac ttatagtgtg tcagaacaaa agataaaaaat agacataggc 360
 cttctanaca gtctnggccaa aaattacaat aaataaaaaat tataactaaa aaatatattt 420
 aacttggggc 430

<210> 25845
 <211> 500
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25845

agattaatcg atagctccgt angtcnccn anttcagtna ganaccggac gaggnccatcc 60
 tntngagact acctgcaagc gtgcaatctt tattgtctct tatgacgcaa ctgagttggc 120
 aggtaccgta tgcactcctt gaacgaatat ggcacagctt atggcgctaa cttgctgata 180
 attagacgtc cactcttcag atgaatttat ggctgcagct agagacatga ttccaagggc 240
 tccaccactg gcagcatcca tatacttata tccaatatga ccgagaccct tattaataca 300
 taggagaaga agctgctcca ataaatgatg gtgagggcaa ctgggcgata attattttta 360
 tcactcccat gaatcataca gggacatcca ctgagtggct agacctgaaa atctttacta 420
 tggaaggggc tggaacagga aaatcttgct agaatatctc ttaagtcaca cagctgagat 480
 gacctggtga aaggaaaaag 500

<210> 25846
 <211> 348

<212> DNA
<213> Glycine max

<400> 25846

ttccataaca caccacagtg cgctgttttc gatgaaagag ctctagaggt atcaagaaga 60
gtaccttctg ctcaaagacc tacgctttgt tatatgatag attattgagc tgcacagtga 120
ttgtgagatg ctgataatag gtggagggac ccccttctt gcgtgacgaa caatcatact 180
ctactcttaa tctcatctgt gcaagcggtt ttctgtatgg ctggctaaac actcttggtg 240
ggaatttcta atgaacaact gatcttctta ctctgatatc taattgattg tctgttctgt 300
gttcgatgcc tgtttcattg cttaatatct gcatgctctt ggcttgat 348

<210> 25847
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25847

cttgtgacga gtgatgagga agttttgatg ttgatttact caaagacaaa aagatgggta 60
ggtttgatat ggtgattatc atacgccatg atggttgggt gtttggttct aaatgggtat 120
cactgatgct atataattgt cacaaaacgt tatattcgaa gaacaacata atttatatat 180
attttaggag ttctaaaccg tataaatttg ataataatcc accactaatc actaactttg 240
gaattttcac taatgtaatt agtgaggaga gacaatgta taaatgaggt atgaatatta 300
ccatttctca aaagtgtgaa tactaattta tcaatatana atcatatata tggactaaat 360
ttacattgac taaaat 376

<210> 25848
<211> 386
<212> DNA
<213> Glycine max

<400> 25848

tttatcttat ttctcaattg gtgacccaag agaacatttt ttttatctaa ccacccatct 60
attggtgaga ttaaaaatgt agttttcatt atgagtagct ctagttcccc tatccctgat 120
ggtttcagag gccacttcta ccacaggtac taggaaatta tctcaaaggt tgtctataat 180

tctgtccttc aactttattc ataagaattg gcttctcctt ggattttaa at caaacatttt 240
 ttgcctttat tcttaaattt ccataagacg atagaataga aaacttcaga cccactgctc 300
 tgggtaattc ccaatctaag attatctcta aaatcgtcac aagtagattg gcctaaatta 360
 ctccaaagct gatgtttaat aaccaa 386

<210> 25849
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 25849

attagaggag aagaccttca gttgtttcat atatacctcc tactttaaga aacacataag 60
 aaaagcgtgg ttacatgcat ttgttgcaga tctaagtcaa aatgagcaac tattgccgat 120
 attatagcga aagaatcttt cgtagatact ggagagaaag tctctctgtg atctatacct 180
 tcctcttgag aacatccgct agcaacacga attgccttga tctctaaatg ctgactaatg 240
 aattctttgt ggtccttaat gaccattac atgcaatggc ctccgccat taggcaactc 300
 tcaagtgtcc aaactttgta ctacagcatgg actctatcgt actcatgcat ataccagaat 360
 tactcttaca ctatgggtga aaaag 385

<210> 25850
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 25850

agcttaattt tttataaatt caaatataaa tctcttggat tactaattat taacaaattt 60
 taacttatca aaatagaata atttagaatc tctctctttc ctaaaaatta gtcaattaat 120
 atcatctgtt tgaagattaa ccaatatcac aattaatgtc atttatagta tgttatttat 180
 cccaaaaaaa taaatcccta ttaattgtcc tttaactcat ctcaattccc taactaactt 240
 atctcagact ccattcttca cgttgtttca tctcctcatt ttctgttcat aacaaaaaat 300
 ctattcttct ccttcccttg aatgaaacat attgtttatt gatcaactg tgtcttcgca 360
 gctcaacctt tctgaatttg acatcgtctg gattctgaac gcctatt 407

<210> 25851

<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25851

tgtnaatata agtgagatat gcaacagcta taaaactaca ctttacttct ataaatatta 60
aaataagtag ttatctcgag aaaattgaga taactgatat cacataaatc cttccagcac 120
atagcacatt'acaagtctaa ttgtgaaaat ttccctcttg taagtatata agaaaaatat 180
tttagtaaca taacaaatta aacttgataa ttngttacga attacgtaga tagaacagtt 240
attgtttttg tagttatagt ggaaggggta gtcagtcaga ggggatttga gaggtaaata 300
atcatgagga agatgtaagg gaagaggcat tctaatttag tatcatttga gaatcgagg 360
tctctctttg ttagggaaca ttctttaagg ggaaaccttt ggacgacaag tatctctcct 420
attttatgtt cttctgtaat acagatataa 450

<210> 25852
<211> 349
<212> DNA
<213> Glycine max

<400> 25852

agcttgattt gttatagcgt ggaagagtca gtcttcctac ttttgtttgt tgaccacaga 60
gtggtaccta gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtgggggtgct 120
atttcccaaa accaagcatg accaatcccg acccaacctg ggcatagtca gtcagtgaga 180
acttgtgacg tacctaaaca ggtgagctcc tggcagtcga ccaatataag aacaaagacc 240
acgaagcaag gaggcttgtg tggcggctgg tcatctatga atcttgagtg gtatttggaa 300
attggcctct ggtaattgat taccaacggg gtgtaatcga ttacagggc 349

<210> 25853
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25853

actaagcttc tgatggattc agtacttgct atgcgtgtta ctttatattc aatttcttat 60

angatatga aatcaatata tatatatata tatttgcgga gtgaaatacc tgcctttnt 120
ctttgaaatt gaattgtttg ttatgcactt tttcttttgg cttaaatttc ttctgtagtt 180
ggcatggcat gacattgggt tcaaccattt tttgctttca gaatataata ttgagacatc 240
tctgattaat aatgctttca ttcgtaaact acaatgaaaa caaaagcctt cctatatga 300
catgtactca acgagatatt tgaatctgta ggtgcaaagt gatgaagtac cccattgtca 360
gttttgtatt agcatcttcg tgaagcattt atggtccact gtcttatatt tcttatttac 420
aatgttttgc ttttgacctt ttctctgata tcaactgaatc ctgtttccct ta 472

<210> 25854
<211> 553
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25854

agagaccgag tttgttgcac ncgttagcat ttcgcaantc cacggagatt ggagaanagt 60
ccccngaaag ctntggaagg gaacagagca gctattcttc tgntatttct actcgcacac 120
cancacnaga ganggtgtag gtgatgatta cgcgtagtag tacatcgaca tcaatagcag 180
gaggagagag atcacaacgg ggtcactcga tttgcgtcac tcaacggact atgaattgct 240
ttgcaagata atactgcaca cgacncataa taggggtccat ataacactat tcaatcagtc 300
taatgctggg ggagtggat gaagatattt gagcaataga ggttgaaatt aagcaaggga 360
ctaaatgaaa agtggagtaa gaatacaatc actgagagat gatgcggatt gatctgattc 420
tcagatacaa tagagtgaag agacgaagga atctgttggg attggggacc atcggatctc 480
gttttgagga actatcttcc tacgggagta tcggacgaca ccatgggatc ttcggcgctt 540
gcgcgtgta ggg 553

<210> 25855
<211> 365
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25855

tgattngtgg gttgatatta acactagtct cactttgggt atagtctttt gatccaagga 60

tactttcaaa gaaaaacgtg cgattgattt ttctgattat tttattcaca gatattttga 120
 ttatttttatt attattattc aagatatttt gatcttttatt actattatgc ttttttggtt 180
 taaccgagat tacaacgtga atgatcagtt agatttttggt ttaatagtga ttaaacgaga 240
 ttacaatgca aatgatcggg cgaaatccat tttatcatTT atttggtgag aaaacggctc 300
 aaataaacgg ttaaagcacg tttaaaacgg aagaaaagaa atattgaagt gaacgaaata 360
 aagat 365

<210> 25856
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 25856

agcttcattt gttgttcatt tcagtatcac ttcctcttat ggaagaaagg tatgcacttt 60
 ttgcattgta tatttgtttg atgggtcgta aactattagc atttggtctt ttcagagtca 120
 gcagaatggt tcttggtttg accattaact tcgtcatatc agcaataagt gtcttttcag 180
 ctttactcaa tcgtccggca tatggatgta caactaatga cttggccaat tcatgattat 240
 gaatcccaca tatcaaattc accgttcagc cttgtcctcc aaccactggc ttgccacgaa 300
 gctggaaggg acaccacat ttcctagtcc cagtgtctct tctaacgaat tctttcttcc 360
 tacacctata ctgcacctc ctgtcacacc caattaacac aaacgaagtc cttcctctac 420
 ta 422

<210> 25857
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 25857

tcccgcattc gcacctggaa ggatctgatt acggccttcc ttttgtctta tcaatacaac 60
 tctgccatgg ctcccacccg aactcaattg caaaacatga gtaaacgaga acacgggtct 120
 tttaaagaat acactcagcg ttggaggac ctagtagcac aagtagcccc tcccatggtc 180
 gagagagaaa tggttactat gatgggtgat accttgcccta ttttctacta cgacaaatta 240
 gtgggctaca tgccctccag cttcgcagac ttgctattcg ccggggaaag gatcgaggtg 300

ggcttgaaga gaggggaagtt cgattatgcc tcctccacag gtaccaacga taggaggatc 360
agagcaactg gggcaaagag gaagatagga gatgcctatg tcgtcacttc aacgcctgca 420
t 421

<210> 25858
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25858

gcnnnggtgcc ttacaatatc atngcctcca ttggtatccg acataatctg catgtgatat 60
acaaatacag aatcagtaat actgaaaaag atataatata tgccaaccaa caggtggtga 120
ctccttatga tgtaaagtac tcaggataaa tcatgtccat aaacttgtga aagcaggctt 180
ttgcaagtaa gaaatgagca gtccccttga atatattgtc caaggaccaa atatctgaga 240
agttaaactt acaaataatc ccaaatagata taaaattatt gacaaaaatg tcatatcatt 300
tacttgtctt acaaaaaatgt tatacatcta tactgggttat ttaataatca aatcac 356

<210> 25859
<211> 442
<212> DNA
<213> Glycine max

<400> 25859

ttcttttaac ataacagcag gaggtctttt atttctaaat ttctctccca agtatcaata 60
ttttaagatt ttgcatttta aatatgagct aaatatttaa gttgcatttt ccatgttatg 120
actctgttag tgtgattata tgaagcattt taaactttta ggctatatat gggtttattt 180
tggtaatatc gactctaaat atctccta atgaggata gttgatgttt acttccaaca 240
ttaaaatttc tgtgagcaat gtatgcactt agtttatgtc ttaagggatc ctctcttaat 300
gcaagaagca cggaacgct ctgacaatgc tagccttatg tatgaccagg tgcattctca 360
atcagaaatt atttctaata tttccatgta gattcctctt gctttgatca atatggatgc 420
taagcatact gcctatgata at 442

<210> 25860
<211> 419

<212> DNA
<213> Glycine max

<400> 25860

agcttctttt atttaagatt tttctttaaa acagtcctaa gcagtgtgcc taaagtccta 60
ttgactacct cagtttgacc atcagtttgt gggtgacaag tagtagaaaa caacaattta 120
gtaccaatct taccacacaa ggtcctccaa aagtgactaa tgaattttgc atccctatca 180
ctgacaatgc tcctcggtaa tccatgaagc cgcactattt ctttgaaaaa caaatcagcc 240
acatgacaag cgatcatcac tttcttgcaa gggatgaagt gtgccatctt atataacctg 300
tcaacaacaa caaacacaga atcctttcca ttcttggttt tgggcagccc caaaacaaag 360
tccatagata tgtcagtcga aggatattca ggaacaggca aaggagtata caatccatg 419

<210> 25861
<211> 404
<212> DNA
<213> Glycine max

<400> 25861

ctttaggagt ttctcagaag cttctcagga ttctctcttt ctataaatag aagcatgtgt 60
aacacttggt gtaactttga tgaatgagag tcttgtgaga catacttcaa agttccactt 120
ctataacctt tttattcctt caatttcgtg ctccccctc tctctttctc tccctctttc 180
ttttcctcca ttgaagcatc ctctccaagc ttcttatcca aggctcatct tgggtggtgaa 240
gtcctctctt ccatggctta ttccttaatg gatgggcgct cctctcacct attttccttt 300
gtcttccgct gcatctccat ggtggaaaat caccattaat ggacccatt gaagctcaaa 360
tatccagcct ccatagaagc cccacaagcc agcttccatc acct 404

<210> 25862
<211> 594
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25862

gcgcggcaac agcgcacaga ggaaccggga nganacctag ataanattta attataatac 60
gaaaaaaaaa aanaagagag gganntttga tgcctcctag ncanccacag nnaanngagc 120

accagcgccn cganccacna gagncgaccg gcaggcaagc aagcttagat tgcacactca 180
 aggccanenc acgcgagaga gggaatccga gagactccaa aacaaacaac agcagcctaa 240
 ccgaaagaaa acaaaccggc gcagaaaacc ggaaaaagaa acggacgaac gggaaagaaa 300
 cccccaaaaa gaacgagagc acgaaccaag atagagagaa cagaacgcgg acgacaaaac 360
 gaagcgaccc aacaagggaa aggaggaaac cgaccaaca cccaacgaca cagtgaccag 420
 caccaaaagg acgccacaaa cagcgaccg caccgcctgc acgaagaagc gagaaccccg 480
 gaagaaaaca gcggaaccac gcgcctaaat gacaccatgc caaaaagtgg taactagaca 540
 gcgaaaacgc acccaaccca agaacgaccg caaaaagcgg acagacaggg agcn 594

<210> 25863
 <211> 530
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25863

aggacgcngn gtnccggtac agcttacnat tgtncnnnac gcgataatat anaatactcc 60
 agcgtttact caattagact gacctgtgga gcgctangat gtgatttctt tatcancgca 120
 tgtngtagcc tcgaattcct tcatcatgac attaaccac ctgctttacc tgacgagtaa 180
 tggaaatgat ctcgttgctt aattggccta tgtcattgat aactgctaata tatcagttta 240
 ttttgggggtt aaattatata gagagttggtt atcttttcta tcctatctct tactctttga 300
 gcaaataatt ggtacttcac attaaataag tttttgtgca taaaagaatg aaagttgatg 360
 aattattatg cgtattaagt atatatacat ccactagag caaattggat atcataacaa 420
 cgcgtgtcta tcacgaccac agcgctttgc tggagctaca cgcttaacgc caataggatg 480
 attcacgaca acacggctaa ttacagaaag aacgcttata tatgaaatag 530

<210> 25864
 <211> 263
 <212> DNA
 <213> Glycine max
 <400> 25864

gagccccatg aattgcgttg tcgttcatgt gtccttcacc ttcgaatttt gagctatacg 60
 taatgataat tagtgcaatt gtacattctc acgctttttc ggaaccccaa gagatgcggt 120

taagtggatg tgttcttcac cttcgagttt agaactatgc gtagcgattg cttagtgcc 180
atctcgattc tcaatcttta tgagagccc atgaattgcg atacggtcac gggcctcca 240
cactaagaga ttggagctat gcg 263

<210> 25865
<211> 279
<212> DNA
<213> Glycine max

<400> 25865

ccgggatctt agatcacctg cagctgcaat ttattttttt ttacccctc tatgtcgtac 60
atgctacaac tttttctctt ttgtgaaaga ccaactttat attaagtcaa agatttttagc 120
ttaaagcgaa ttaagactcc taattctttt cgatagatca aataatcaac tgaggacgtg 180
ggctgatttg catagacatg actatcttag ctttgaagtt tgaatgagcc tctagatgat 240
ctgattgcat atagcagcat taagacttat taatcttat 279

<210> 25866
<211> 449
<212> DNA
<213> Glycine max

<400> 25866

atagaatact aagcttcaag aataatggcc tcagcactat tcttattccc atattgttat 60
tcaattatta ggctcctat ttttaatgga gaaggttacc actactggaa aaccgcaatg 120
caaattttta ttgaggcaat agacttaaac atttgggaag ccatagaagt tagaccttat 180
gtaccaccca tgggtggctgg aaatacaaca atagagaaac ctatacaaga gtggtatgaa 240
gatgaaagaa gattattgca gtaccaatta taggctaaaa acatcattac ttctgcccta 300
ggaatggatg gatatttttag gggttcaa attgtaagagt ctaagaatat gtgggacact 360
ctacaagtta cacatgaagg aacaactgat gtcaaacgat ctaggataaa tactttaact 420
catgagtatg aactattatg atgagaaca 449

<210> 25867
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25867

ttcttgttgg aaganacctc atgagcactt gtatgaagct tgaaaaatga agaagaatgg 60
cttcctctcc ctcttgggtga actcgtgcaa acaaggaaga aaaagattcc aaattgggtt 120
ttaaagaaac atgaagatga agtttaaggc tttgtctaaa ggaaacttga tttggcttaa 180
gttgacaagc ttcattgaca acatgattga ccccttggca gccgaagttt aatgtgccaa 240
gctatgcctt ttgggggttat tgttgctttt gaaattttta ccaaaaatga ctaaagtagg 300
tttaaaccac aaatggctaa natggctaaa gtaggtttat accacaaatg gctaaagtag 360
gtctaaacca naaatggaaa atttgctttt gtaaaactgg taaccctatc 410

<210> 25868
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25868

attggagggg ttccatcaac cgccctatct tcttgattct ggtggtacct gngcttttga 60
ccttgactgg gtagaacctc ttgccggttt gatttgttcc catgcttact aaagtgagat 120
aaaagctagt gcaaatcaaa actccgatat ctcatgggtg gaatggatga atgcatgatg 180
gaatgcatat gacacagatg caatctagga atgccccgggt cccgggaatt tgtccccctc 240
ttagatacga cgtctggggg tagcaaatg cccaacgca cgtttttaag aaggcgacac 300
ggaccctacg ttggtttgtt tacagtatgg atcaagacag aaccgcgatg caatgcctat 360
gcaaaagaca caatgcggga atgtacacag tatgacaata tntaccgaac ataagcatac 420
gggtatatga tactcatgca tggcagtgt 449

<210> 25869
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25869

agcttgtctc ccattctctc caggcgagca aggttgcttc ctccagaagc aacagccttc 60

tggagggccc aagtgggcct ggtttctatt tgcacccctt ttttactaaa tgcacccctt 120
ctatTTTTTT gtaattcttt ttccgtaacg ttacgaaact ttgcaaattt tgtaatgata 180
cttattttcc ttccgcaagg ttacgaatcc ttatggatta tgtatttact cttttatagc 240
tttcgaagaa gttacggaaa ctcacggatt ggcacaaaac acctcttttc gacttccgcc 300
acattatgga atntcacgga tcgcgcaagc ctgcttactt ttgattattg agacgtctcg 360
ggacttcatt tattgtgcaa caaaggacgc caagtatctc aaagccggct aaccaagggt 420
tgcattgtcat caagt 435

<210> 25870
<211> 446
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25870

ctaagcttga gacgcatgtg nactnntgga tcatcaaagc attagcttga ttctttgtct 60
acaatctccc ctttngtgat gatgacaatc cctgaaatca agacaagcta tatacaagat 120
gatagcacgt tcacacaacc cttactcccc ctatcttttg gcatgtatgc ctaactttac 180
ttaatgataa atttctaatt gataattgat ttcgaaacca agttctctca agttctctcc 240
ccctttggca acatcaaaaa taactaagca acataatcaa tattcaaata gagccaaaca 300
ataaacgaaa atatacattg tcataaccaa ccaaatacaa gtcaagaaat ataattattg 360
tgcaagatta cgataactaa gcaataaaaa gccaaataca cggcgataaa ccaaagtact 420
aataatactt aagctaagat gatgat 446

<210> 25871
<211> 383
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25871

agcttcttat ccttggctca tcttgggtggn gaagctcctt cttccatggc ttattcctta 60
atggatggcg cctcctctca cctcttttcc tttgtcttcc gctgcatctc catgggtggaa 120
aatcaccatt aaaggatccc attgaagctc aaagatcaag cttccataga agccccacaa 180

gcaagcttcc atcaagtggg aatcagtgca caagagcttc aagtaggtgc tccttaaacc 240
 tccattaatt ttttttcttt accttctctt ccattgttgt ttcttcattt ttctccatgt 300
 atctctcac atgtcttggt ctaaagtgtg ttaacatgat tctttagagt ttccaccgat 360
 taaacttgct atagaagcta gat 383

<210> 25872
 <211> 363
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25872

ccactactag aggtaatggt tcaatcaacc ttataatata attatatgga ttttgagtgt 60
 ctctgtctatt tttgttagca tttttaaggt gttaacattt tatgtaagga aagccatatt 120
 gtagcaaaga gtaaagtata tttagcttga aagacatntc tatattatat gcttgtgatg 180
 catgctctta gtaagattac tttcatgata aatcctccta catttgatat aagaaattat 240
 aaacaagagt agtggtgacc tctctgattt agtgctttga ctgacctttn tgcatttgtc 300
 cagtcaaggc aaggaggatg caaactccaa acttaanaac cgaaggaaga ttcaactctc 360
 atg 363

<210> 25873
 <211> 395
 <212> DNA
 <213> Glycine max
 <400> 25873

agcttagtct ctttacatat tgtgaacaag acatctaagg ctctggtaat cgattactag 60
 gcagtgtaat cgattaccat aagacaattt tgaaaaatag ctgtctaaca ggattatgaa 120
 tttgaattat gacctgtaa tcaattgatg tttgttatcg attaccagca acagaactct 180
 tgaaattcaa attcaaaagt catgaccctt cataatataa ccgtgttatc gattaccaga 240
 aacctgtaat cgattactag tgaaataatc agaacaagct ttatgaatag acacatctct 300
 tctaaccatc ttgaaaaggc acaaagggcc tatatgtatg tgtgtctggg ttcataaagc 360
 aagagagaga tattccaaga gaacttcatt gtcaa 395

<210> 25874
 <211> 400
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25874

accggcgaaa gaatcgaagn gggttttaat tatatgctta tncagannan cccgcccgga 60
 ggaatggaga gcctanggca aatggagaga atgagaatac aggacaaacc catgttgtga 120
 ttgtcgttcc tacatggcca aacttcccac caggtaaca atatcattac tcaaccaatg 180
 tcatgccttc tcattacca ccaccctatc atccaagaac accaaattaa ccacaaaggc 240
 caccctaaa tcattcaaga ggcccgcctg ccgcacatgc aataccaaac actaaccaca 300
 acaccaacca gggaatgaat gttccagcat aaaaatctgt agaattcacc ccaattccgg 360
 tgtcatatga tgactaactc ccctacctgc tcgataatgc 400

<210> 25875
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25875

agcttacttg attatctttt aaagctctct agattcacac ctctggccc actcatcagc 60
 tctatggctc ctaagtttgg tctggtacca tatctgtcaa caaattcaag tataaaaata 120
 tcaattcttt aaccataaca cgtcatatat catcatgctg ataaaaatat ttttcaatta 180
 tactagaccc agcatgatga aaataatgct caagtcctat tgagataaag ttctccataa 240
 atactcagaa gaaaatgata aggtgaaaaa actgaatttc tcccgttaagc taaaatcaac 300
 ttatcacttc agcttttaga gaagccagat agaagaactt ctatgaagga cagagtgcac 360
 aagttaattt taacttatgg aagaaagctc attcctttta ctttctgatt ntcttctcct 420
 ataagtgctt at 432

<210> 25876
 <211> 447
 <212> DNA
 <213> Glycine max

<400> 25876

aagcttacat acattatctt caaagatcgg aattcaacta atttcctccg atgcttctaa 60
 ctctgaaaat atctatgttt gacactaagg ataaagttat atactaataa tgataatatg 120
 tgtctctttt atctccaaca agttatccaa ataaataatt ccttttggtt ggaaggaaga 180
 ttgatagata caaaatgtta acatataata ccatgtcata agaaaaaaga gatggattac 240
 aataatcaac attctttttc aagtgtttgt cttagaataa tgatattcat catattcact 300
 ctctggatac aataatTTTT atctcatatt tactctcttt aatgttctct atctctttta 360
 ccacataaca tattatatct ataaattttg ttctttatta tattttatttc tctctatccc 420
 tatctttcat ccaccattga ccctaatt 447

<210> 25877
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 25877
 agctttgctt attattaaga tgataaaaaa tttcgatgag ggtggaaaag ttcaaagcaa 60
 gatacaatgg cacattcagt gactgaggca gagtatatag cgacaagtta agccgctgaa 120
 gaagttgatt ggatgaacag ttcatctctg aacttggtga gctaccttca ataggaggac 180
 cgattccact attgtgtgac aatatggagc tatcgtttaa gcaaataacc aagattacac 240
 cataagacca aacatatTTT atgaacgtat cacttgatta gagagatcat tgaacgtggg 300
 gacatttaga ttgaaaagggt ggatataaaa gagaatgcaa catatccatt caccaaggca 360
 ctttgcataa aagaatttat caagcacaag gtggaagtta tgatgaagtc atgagtaatt 420

<210> 25878
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25878

ttttgccacc cttacggacc tccttagcag cgacccctcc acatcgaacg atgaccctgt 60
 aagttcctct gttttttgtc ctgcactttt cgatgccctt ttgcgatctc gtgttaaatt 120
 ttttatttcg actgaaaccc attttcaatn tggcaaattt gagatgaccc atattggaag 180

atttatgtta cagcataaacc cacatggcac gatttttaaatt tgcggttatt tegtgatcct 240
 tgacattgcy ggaaattcgc atacatgagt acaataacct cgatagtgac gcttgaatca 300
 cggttgcgga gtgactttta aaaccttgca catggtgatt tgagaaattt ggtgaaccac 360
 atgaatt 367

<210> 25879
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25879

agcttgtgtt ctatgtctca aaaccacat tagaagtaag acttatacca tttcaccgc 60
 acaactcaat tttgtagaca ttatcattgt tcttgaccag tacttgaaaa ggaccatctc 120
 cttttggcat aagtcttctg aagggaaccg tttctttcct aaaatgcacc catacctagt 180
 cacctgggtc aaatgttact ttttttctta ctttgtgttc atactatcga tacacttcta 240
 tttttnttct ctcaatttgg gcattgaact tctcatgcaa cttcttgaca tatgtctgctt 300
 taaccttgcc agacttatct ttaaactgag aaatgttacg taaagaccac aaatacaaag 360
 gagtca 366

<210> 25880
 <211> 403
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25880

agcttgactg agaaatatta tatgtctgag ctagatttct atctgtgcaa gaattgcatt 60
 tatgcattga gtgtagtgta atttgtctct gtgcaagggt cactctaagt acacatatgc 120
 caagggaggt tagcacacta atagaagatt aggatgaaag ttactagttt tagcaaaagc 180
 aatttttact atttttgaca aaactctact ntatcctttt atagctagtt ttggaaaagt 240
 gaaagaagtc atataaggca tgactaagct catgggaagc acatcaaggg ttgtccaagc 300
 tgccaattag tcatattaat ggctcattcaa agtgcttaga ttaaaaagat aaggattagg 360
 ccttgcaatt ccattggtcc atgcatttca cctacaataa gtg 403

<210> 25881
 <211> 460
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25881

ntgcatgCGT aatctaccta ttagaggggn caannntatg atttatatgt tctgcgnnnn 60
 nccgnnnnntt tctggaaatg tgcaatgaac tcaactcagcg acccttcaac gctcagtga 120
 ttcatctata ctcatctgcat acatgcattt ctgatagaac ttgttgagcg cacctgtcgc 180
 gctaagcgat tggatctgta gaggatgaat aatcatcctc tggataagta cttgtggcta 240
 agcgaggctg attcgccaag cccaagtaac ttagaaattt tttttgtcat gatagtcgtg 300
 cgctgagcta gtatccttgc gccaaagcaa gttctttata acagtgactg ggctaagcga 360
 cccatttcgc taagctccca taaattagta gaatttgtga aaattgtact gtgtagtacc 420
 gctaagcgtg gctcacggag agctaagcgc acatcatcgt 460

<210> 25882
 <211> 371
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25882

agttttcactg nctattctag taatgaccca ctaacctaga attaagataa cttaatgcca 60
 ttaacctagg gaattaaaaa aaacttaatg gctgagggta actaaaattg tgtgaaccaa 120
 aagacacccc caacagacaa caagtcagcc accatttggc ctcccaaaag gctgatgcct 180
 aggatgccaa ttgagccctt attacaactt gaactaaacc taactaaagc ccttttagtt 240
 gattaaccca aaacatattt ttggtcagcc aactttacaa ggattggacc attatctaga 300
 caaactaaac actctaaaat cgacacaaag tggcgtcatt tagtcgctct tcatttgtgg 360
 catgatacaa c 371

<210> 25883
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 25883

gagatcaaaa gccactccac aaacaagagc ttcaagggca atggacaccg acttaagcca 60

ttcctcacia acccttcttt agcggatgta gtgggtggaag agacttcctt acgccaccct 120

actcttcttc taccatgact tagggagttt ttctttctta tctccttctt tacttttatt 180

acatttgctc gaatctatct gatgggtccaa ttgccttcaa tctttcaatt gtgccacatt 240

gaggacaa 248

<210> 25884

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25884

atcttgattg agtcttataa caaggaaaac gaaacaaggc tcatataggc tatcanagga 60

attaatttaa ggtaagtcca tttggctaga agcttataag aacaaaattg cctcaatcat 120

tttcaaatat gcatgtgaat tatgaagcat caagaagaat caagccacgg ctattgtgca 180

agcaatcaat ggggcaaaac acaccaaattg attatgggtg tggatggctc atactctcac 240

aaaggtaaac tcatcactct caaattgagc tgtcaaaact atcatgacat gtagaggaga 300

atcaacgac tcaagtcaca aaatgtcaag aactttttat tttcagaaca atcaccatt 360

tcttgaaaat atcctataat tctaagaaaa acttgc 396

<210> 25885

<211> 210

<212> DNA

<213> Glycine max

<400> 25885

atatcggctc aagatgggct aagtgcata ttatgggctt gcacagaccc aaaaaatttg 60

tttagtggag acaataatct ttttatcaac ggctatacca acaccacacc atccatcatt 120

tatatagata gatagataga tatataccca gatattgcta ttgatccata ataaatcttt 180

cttcatttct gttccctgat atttgacatg 210

<210> 25886

<211> 249

<212> DNA
<213> Glycine max

<400> 25886

taggcgaaag gcagtaataa ctgaataaaa gaaaagtgat ctatggatga atgcttctac 60
aactaacttt gtcctataaa accatgatga tgcacacgct ggacagcact gcaacctcat 120
gggccattat ctctacgcca tcatggctca tcattgggcc atttctctta tggctcttgc 180
ggccttcttt ctgatctctt acttccccctt acttactcta ccaagtcggg agacccgaag 240
catgtttttt 249

<210> 25887
<211> 355
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25887

nccgcgggttt aacaccgcgg ggatgggaaa aaccttgagg taaccaaact atatggcctg 60
gaagcaaata ccctttttggc aagctgnggt aaagcgaaaa ggcccgtacg gatggccttc 120
tcaacaagtc ctcaaccctg aatcgccatt ggcgccccgc cgccactccc tgcttacacc 180
tctgcggggtt caacgacttc tcgcatcttc tccaccctac ttcgtccttc gaacatcact 240
ccaagccacc gccatctcgg actctttctc tctaccgtac ccctgctcac aatcccccat 300
cctccccact ccccgacgac accccctcta gcccctctc cgaccatccc gatcc 355

<210> 25888
<211> 59
<212> DNA
<213> Glycine max

<400> 25888

agcaccgctg atgtctcata gggaattcac aacttcatta ttagaggatc cgcgcatgt 59

<210> 25889
<211> 88
<212> DNA
<213> Glycine max

<400> 25889

agctcgtttg ttttctttta gagaaactct agagaaaggg catgcatcct ttcgtatcct 60
 atatcaccat tcattcttctt agtattta 88

<210> 25890
 <211> 151
 <212> DNA
 <213> Glycine max

<400> 25890

tactgggtac ggtatgtaga caacacacca gcttcttttc tgctttctgt cattggcaag 60
 cagaggggtgc tattcatcaa tactttcttt gctcagacct gcagacagct ttgataaatc 120
 atgatgctac cacactttca tttatctagc a 151

<210> 25891
 <211> 186
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25891

agcttggttt gttancattg caaaagggtt agcctagagt tgtgcaattt ggagactaaa 60
 ttaaaatgca agatgggttc gagtaaattc agaattctac tcccttaaata aaaaactcgt 120
 tttttggaca aaaaactntg tcaaattgaa aggttgagaa aatcattatg gtttgccttg 180
 ctcggc 186

<210> 25892
 <211> 186
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25892

ggagacacta cgctttcatg actcatcgga gancatcagg gcgggctgct agtggacagc 60
 gacagtacgc actaatattat tcagcaccaa ttggtgacct aattgagtct gtcgcctcga 120
 tccacaactt ccttgcgggg aatggcgagg aacagccagc aattgaagcg caatttccta 180
 tatgag 186

<210> 25893

<211> 271
 <212> DNA
 <213> Glycine max

<400> 25893

tttgttttagt atcacaagtc acaacacatc actcaaactc gtgtccaacc atgatttacg 60
 ggcatcacatg tgctacacaa ttattgggtcc atatgatcaa cgttagaatg atgaaacaat 120
 gtaaatttttg tgaatggcct aactcacatc acatcgatta catcgttttc tctaaagtaa 180
 ttcatattatt ctaaccatgc acaaccgctt ggaattataa ttcaagtacg atccaaatta 240
 atgcaactag actagattct ttatgaatga a 271

<210> 25894
 <211> 301
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25894

atagaatact aagcttgtac ccanagaacc catagaacta cctattgtgt taaaaaatat 60
 cgctnacata catgatgagc taatgggatg gcatgggttat ggcacgagaa aaatacaaat 120
 aaaggttctg tccttaacgt aaactatgtg aagccccctc ctagtcccac ttaaagaatc 180
 cgaatgaagc catacacgta ggtacaaaat gaaatattaa tgtacaaatg cactcgctgc 240
 gccaatctat tgtcagtgtc actcacgtag ccacctttta tatatactac catcttctct 300
 t 301

<210> 25895
 <211> 282
 <212> DNA
 <213> Glycine max

<400> 25895

agcttaaata aaatatattac aattattctt gagacagggc agccctgcgc aaccacatga 60
 tctgaggaga aacatttcta tgtggatgct gcttgagaga gtgagatcta ccttaaattg 120
 tatogaatgt aacataattg gtgtcagcta tgaaactttt aatcaacaac caaactgttg 180
 cgcttatacc ttttggacct gcttgcataa tcaatcgtgg aattatcggg aggatgggtac 240
 ttcaacaata actatttctt atctaattgct tattctcatg tt 282

<210> 25896
 <211> 315
 <212> DNA
 <213> Glycine max

<400> 25896

tgcgggctaa gccgccaaag acgcactaag tctagcctcc aagtagactc ctacgcgctaa 60
 atggttgatt tgacgcgttg agtgagctag ctcagttatt caaccttctt ccaggcctct 120
 tgctgtgaaa ttctaccaa aaaaaataca cccagaaaca ctataaatta actaattata 180
 gcatttactg gataaaaact catacgatgc taaattctta atgctgaaca caatagaagc 240
 tctaacagag aggcaaatta gataattgct gcgcgatcaa atattcaa atacatatgca 300
 tagcaattat cactc 315

<210> 25897
 <211> 319
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25897

agcttggtga actatcatca catgacgcnt attgcataga ataagttgct ttctaagaaa 60
 cttgagattt tacagaaaca cttggtaagt ttccaactaa actgtttatt ggtcaacctt 120
 catattcttc tgttttgcat attacaggtt gtaccatctg tggtagaggct catgaaacag 180
 gacaatgtaa tcccattgaa gaaaacactc aagaaattca ttttatggga aatcaacagc 240
 gacaagggtg tactcaagga ggattttcag gctgtcagta gggctcttat aatcaacaag 300
 gacactggcg ggtacaccc 319

<210> 25898
 <211> 278
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25898

acgcacatng ttcacgtgta tganatatac tttatatgct tcgaagtaga ggagaccttc 60
 aaccctatag cgcaacatgg cggacaaaag tcgccagcta acttgaatgg tcatcattgt 120

caatgcggaa ggtattctac gcttcactat ccatgttcac acattattgc agctcgccgg 180
 tacgtgagca tgaactacta ccaatatata gatgttgctc acacaaatga ccacatctta 240
 aaagcttaca ccgcacaatg gtggcctctt cgcaatga 278

<210> 25899
 <211> 436
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25899

tatcctaataaa aaacaggaca tccttacttt atatattcag tttaaaaaac agaaaaaata 60
 acanaataaaa ctgtcatatg gattntagtc acagcccaac gattcactac cttgaactaa 120
 catccatata agacacaaac tgcaccctct gaacacacat gatcttaacc ctaacaatct 180
 acattgagca agcttaagca gtgatcaaac ttgctctttg gaactggctt tgtaaacata 240
 ttagcaggat tgtgcagagt gataatctta tgaactttga ttcttctttc tgaccgaatg 300
 aagtgatatc taacatctat atgcttggtt ctatcatgat gaacctaatc cttggccaag 360
 catatagcac taaggctgtc acagtagatg ttagcatatt cttgattaat ttcgagatca 420
 tctatcagac ctctca 436

<210> 25900
 <211> 417
 <212> DNA
 <213> Glycine max
 <400> 25900

ttaactctct tcgacgttct gtctataatg ccgttttctg tctgttttcc cttcaccaat 60
 taaccacat tcattactgt taatctatgc acgcttcgcg tttgattaat tgcctctgag 120
 cttaacttgc gttcatgctt agagaatgaa gggttaattg gtgtatgtgt tggctaataca 180
 cgtattgaca accctaagtt gattttcact tactaaatta aaataagggtt ggattaagtg 240
 gttaactgtt agggacaaat tcttcataac ctaggacacg agaatgactt ctgaatcaga 300
 ggaaacaaca cgtttctaata actattaatt tcgtattcca ggtcgcttgt tctttaattc 360
 acaaaacaaa caaccccacc cccccccga atattactgt tactgcagta tattatg 417

gaactataat accacaaaca cataaatggt aatcgattaa atcatggggt aatcgattaa 120
aacagaaagt ttctaaaaat tgataaaaca cggaacaca ttataatcga ttaacacgaa 180
gaagtaatcg attaaaacaa tgaaaaattc gacataatca aattaaaaca tgtagttttc 240
agagataaaa tcaactacac atcaccatac gaagacattt aaagaaaaat aataaacaca 300
gggagcatat ataacaagct gcatgtacta agcttaacca tcattcaata ctagaccac 360
ctaagatacc tagttcattc ctaatgaaga agaacctatc tctagcaaga ggtttagtga 420
agatgtcagc tagttgatg 439

<210> 25904
<211> 429
<212> DNA
<213> Glycine max

<400> 25904
taagaggacc ctcggtgtgg tagccgtaaa cctcatatgc cttattcaaa aggtgcttga 60
agagagggtg acaaagatac gaaattggga tcacaaatct ttgagacca actccaccag 120
cttcttctgt ctcttcttcc acttgaacag cgagccaacc cttcttcacc ttcattctt 180
ttcttgcta ctgagagata gagcaaagca aaggaaccgt attattatag ctgctgagtc 240
acaatggtag gtaatgtggt ttctttcttt tatatagaaa agatatatat atatatatta 300
aatgggggta taaatttgta ataaaaataa ataaaaggga taataacttg atgctgtgtg 360
tgttgtgtac gtgattcgga atcaaaatag tggggaaggc aaggacagt gccgtcccat 420
tccgtaact 429

<210> 25905
<211> 236
<212> DNA
<213> Glycine max

<400> 25905
tagatcaggc atccgagtca aacggtatgg ctttctgatt atgcacgggc attgcattac 60
aacttttaat cggcatgata tattacgggc ctgatcgga catgagagac aaaactttag 120
cccgaccag ttcagccgag acttgcattg taaattctga gcgcacgcga taggacatt 180
ggcttattca aagagaccga ggaaaagata cggctcgcttg tataacgcga tgggct 236

<210> 25906
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 25906

tgctctgaat ttacattgat gtttgtattg atgggtggag gttacatgcc atttttgctt 60
 taagagtaac gtccactgg taaaactaac ttccaaatg tttgccttcg caggaatggc 120
 cccgaggaag cttgcctcaa agaggtccag gaaggacaag gcggccgaag gaactagttc 180
 cgccccggag tacgacagtc accgctttag gagcgttgta caccagcagc gcttcgaagc 240
 catcaaggga tggtcgtttc tccgggagcg acgcgtccag ctcatggacg acgagtatac 300
 tgattttcag gaggaaatag ggcgcggcg gtgggcacca ctggttactc ctatggccaa 360
 gtttgatcca gagatagtcc ttgaatttta tgccaatgct tggccaacag aggagggcgt 420
 gcgtgacatg agatcctgg 439

<210> 25907
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25907

aaattcatta tggatgcata agctaagagc attctattgg cttctaattc tgcaactgga 60
 gcatatgttt cttcataatc tataccttct tcttgattgt atccttttgc aactaatcta 120
 gccttatttc taatgattat gccatgttca tctaacttat tcctaaatac ccattttggt 180
 cctatgatgg ggtagttttc aggtttctct actagttccc acacattggt tctttcaaac 240
 tgatttagtt cttcttgcac agcaattatc caatgatcat ctattatggc ttcatttata 300
 tttttagggt caatcataga cacaaaagcc atattattgc ataaatcttt aagagaatgt 360
 ctagttgtta ccccttttga gatatcacca ataatgttgt caaggggatg atcttttgaa 420
 gctttccatt n 431

<210> 25908
 <211> 436
 <212> DNA

<213> Glycine max

<400> 25908

tgtgattctt ctgcacctgt ataagagggt agctttcggt tcaattaatt tatcattcac 60
gtgatcaaga tgtagaatt aatgtcttat gtgagagaca tgtgggacta ataaataaat 120
aattaataat taaggactaa attgtaattg ggtaattat gagaagtggg tataaaaggg 180
gttaatatcc actaacgtga aataaagttc ttttcctgac agaaaaatgt tctctctcac 240
catagttatc acgaacggag agaggcaaaa aagaaagggtc taaggaagtg aaatcttatt 300
tatctcatct ttcaaggaaa tctaagtaca tcggagaaaa gtcttcctat gaagaaagggt 360
acacattatt atctatttgt ttattgatta tttgtgagaa tcatagggtt caagatcttg 420
ttatttccta taatta 436

<210> 25909

<211> 192

<212> DNA

<213> Glycine max

<400> 25909

taggagagag ggcgacttat atactaaatt gccaccacaa acatttgtaa cccaactaca 60
acagcctcca tcgcccacaa atccacatga acagcgatcg aacacccaca cagctaggaa 120
cccttcattg gctactgaga gatacaccag accagaggat ccggatgata acaactaccg 180
taacacaatg gt 192

<210> 25910

<211> 437

<212> DNA

<213> Glycine max

<400> 25910

gacactatac aagactcatg ctgatccaga gaggacctta tatgcttttc ttatgtgttg 60
tatgaacctt tctttgatac taagatgata ataacagggt cttgcggtgg aaaacggcga 120
catcacgaga ggactgggt tcaactgtac actgactctg cctcacacaa cagctattga 180
tttcaggcaa acttcacaaa cgacatttct attgattatc aagcataata tgggtgtgtt 240
aatattgagc aagactctga cttacttcaa tccttaatgt ggcaatataa ctagtcacat 300

gtaacattaa gtcagacata ggtggcttcg gatatgctct cttgaagagt gcgttctgtt 360
 gcggcacttc tgtgcctgat gtgaaaaggt catcagacat ctgtccaaag catgaaacgc 420
 gacacctttc agaacac 437

<210> 25911
 <211> 426
 <212> DNA
 <213> Glycine max

<400> 25911

tttgacggac tataccaagc tctatgtaac ttgggtctga gaaagatcta tatataggct 60
 tgctaagggt agagagagga agactagaga tttggatcaa gtaaagtgtg ttaaggatga 120
 agaaggcaaa gtcttagtgc atgaaaaaga tatcaaggaa aggtggaagg cgtattttcca 180
 caacttattt aatgatggat atggatatga ctctagcagt ctagacacat gagaagagga 240
 ccggaactat aagtactatc gtcggattca gaaacaggaa gtaaaggaag cgttgaaaag 300
 aatgagtaat ggtaaggcgg tggggccaga caacatacct attgaagtgt ggaaaactct 360
 tggagataga ggtcttgagt ggctcaccga actctttaac gaaattatga ggtcaaaacg 420
 catgcc 426

<210> 25912
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 25912

tgaccaatcc tgaccaacc cgggcatagt tggtcattgt taacctgtga tgtacctaaa 60
 caggcgagct cctggcagtc aacagataaa aggaacaaag accacaaagc aaggaggctt 120
 atggtggctg gccagctgtg aactttgtgt gatatatggg ttattgcctc tggtaatcga 180
 ttaccaaggg tgggtaattg attacaaggc ttaaaaatga aggcaggagg ctaagatggc 240
 ctctggtaat cgattaccaa ggggtgtaat cgattaccag gcttgaaaac gaggtcagga 300
 aaccagatga gcttctggta atcgattacc aaggggtgta atcgattacc atgctta 357

<210> 25913
 <211> 380
 <212> DNA

<213> Glycine max

<400> 25913

tggatacggg tctgtgagta atcgcttagc tcacataatg atacgcaacc tattcgtaat 60
actgggggttc atattagact gaaaaataag ggatgacaca caaaggacag cattgacagc 120
tgctcacact gattcattta caatgaggat gaagtatctg ttttgttcga cgaaagtatt 180
tagaacttca taaaaaatgc cttttgaaaa taagtagcat gcacctttca aatcaacttg 240
aaatcagaac aagtcacaca aatgggagct tttacctcaa gaaatttgaa gtcagggttta 300
atggtacaac agatgccttc ttgtgtcaat aaagaacgaa ttacaagtga aaacctttct 360
gggattcgaa tgggataatc 380

<210> 25914

<211> 438

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25914

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cacatctcat tataagggca aattataaag ctttataaga attggaatta gtacttaatt 120
atcatgtcgt caaattaaaa tggtagtgag gatgttacat ttattaagac ccttttttga 180
agaacagtgt gaagaattct ttttatacaa ccaattgggt tacaacctga aggagtctctg 240
tttgcattgt aaatgaaaat atttacgaca tcaagtcacg aagactcatt ccacaagtca 300
aagagaaata aaagaattca taaaaaggta tgtaaagatt tcgatgagga agattaagac 360
gtacgttgaa tactttaatg ttctgattga cgaanaaggt atgtttatta aaaatatcgg 420
anagagtgga gaatgtct 438

<210> 25915

<211> 435

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25915

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aactggcaaa atttgttggg aaagaactgt tccgatggat ttccagcgat cagtataggt 120
tctgtttcca gtgttcatct ctctctctgc aggactctaa tcatatttta taaaaaaggc 180
agttttttacg gaatagtggg aagaaacaac ttaatccaat caaacaatta acaaatatca 240
aaaaattatt ttaacagtaa atatcaatca atataacaaa ataaatatta aaaaaatata 300
gttgtgcata aattttcatg aaaaaaatca acaaaacctc ttttatgttt taaataatta 360
aagaatacat gattaaatag ttaaagagat atcaccatgt tcaaattatc tctatttctca 420
acatttatta tgcgt 435

<210> 25916
<211> 357
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25916

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nggaccatac taaatgcatt ggacaagacg tccacacacg cttaatcttt catcctttgt 120
tatgcaaaat catttgtgtga aacctgcatt accttatcat atcctatcta taagaggtga 180
atgattgtat tcattcaaac attagtgtgg agcgagagcc taaaatgatt gactattgaa 240
taatacatgg gtgatcttag actcacagga cgcttaaaag cgtgccgtat atggacttga 300
gattcttata gtacccatga gtagcgagtc cgaatacttg ttcttaatca acgtgag 357

<210> 25917
<211> 433
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25917

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ggctgcagca ccggctccgc ttcccaaact gtactggagg cggttgcggt ggctttatcc 120
tctatggttt tctggagttt taacatgacc tccgagatgg aagccatttg atcttttaag 180
gccgatagat cggccttcat ctgttctctgc acaccctctt cattatccat tttctggatc 240
gagtgttata ggggtgcctt ggtgttttct tagttatgat gaaattccta aagaaataaa 300

caacgatgag tatgccacca aaacatgagt atganaatgg atgatcggag cactnnggatc 360
 caccccaaga ttnttagata acgtaatgag tccagaactt ctcatntat aaaaagaaca 420
 aagctntcat cta 433

<210> 25918
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 25918

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 tgcttcacgc tgacggccgg aaatacccgga gtgggtatcc gtataaactt tttgcattct 120
 gtaagacgaa aagcctgata acacgcagag actaacatcg tcttctgoga ccttcgtcaa 180
 tcgcggccga caagcccggt gacacgtgga gatttacgtc atcttccggc ctcacaagat 240
 ctgtcatact gacttttgag tcacgctgac gggcggaat acccgagtgg ttatccgtat 300
 aaactttttg ttgtctgtaa gacgaaaagc ctgatagcac gcagagacta acgtcgtctt 360
 ctgcgccctt cgtcaatcgc ggccgacaag cccgttgaca cgtggagatt tacgttatct 420
 tccgcgctca caa 433

<210> 25919
 <211> 433
 <212> DNA
 <213> Glycine max

<400> 25919

tcctttctat acccgcttca gcaaattgtca ttttatttcc cttcaccacc caatagacat 60
 gatgctcaat ctccattgga agatgacatg ccttaccaaa aaccacctta tagggagaca 120
 tccccaaagg tggtcggtaa gcggtcatgt gggctcatag agcatcctca tgtagcttgc 180
 tccaatcctt cctattgggt tgcattacct tctacaacac ttgcttgatc tctttattaa 240
 aaacctttga ttgcccatta gttcaaggat aataagctgt agcaactcta tccacaacct 300
 catacttctg gagcaaggat gccaatgacc tgttacagaa gtggctcccc tggctactga 360
 taatggctct agacacacca aacctactaa aatggttaga tctcacaaaa tccacaacaa 420
 gtttagaatc att 433

<210> 25920
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 25920

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gcttgaggtc cctatgcatg accccaagcg agtgacacgc ttcaacaacc tcaacaatcg   60
tcttttatcaa cctcgccgcc tgtctctcgc tgtagtgtcc cttctgcacg atcctgtcaa  120
acaactcccc accctcacac aactccatga cgagggtgcac cgccgaggaa tccctcgtacg  180
tcccttcgat gcggacaacg tgcgcgtgct ccgacaagtg gtgcattatc tgaatctccc  240
gccacacgtc ctcgtagtcc tccttgacac gcagcttccg cttgggaatt gacttgcacg  300
cgaatttccc cccggacgcg cggcgcgctgc actcgaaggt agtcccgaat tgaccctgcc  360
ccaacttccg cccacctcg tacacctcac                                     390
  
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<210> 25921
 <211> 425
 <212> DNA
 <213> Glycine max
 <400> 25921

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atcttcttcc acaccaatcc gattagatga tttatgtttt tgctaaatga tacatgcggt   60
ttggcttcac agtctccggt agcaccaaact ccaattcctg ctgctagaaa atgaatccaa  120
tgtttgatgc aacctgagc taatgaacaa atcctatgtt gtcattcatg acacagattc  180
acctaccctc aacttcggac caagtaagag acattgagga agagtgcgca atatcttgga  240
aagttgggtg tgacgtatag ctaaaatact gagaatattc agacaatata tcccttgatt  300
tcaactgttg gagcaaatac gtatccatat tctcaatttc tgagtcgtct acctcattct  360
tccctcttaa aacattcacc acctgtctca ttgtgggtct ggcctttggt tcacggtatg  420
cacac                                             425
  
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<210> 25922
 <211> 430
 <212> DNA
 <213> Glycine max
 <400> 25922

tctaaacttt atacaagaat gaagctctgt taccatttgt tggacaagtg gcctcagata 60
tcttaagaag ggggggttga attaagatat tacaaattat ttccccaatt aaaaattcta 120
tttaactttc tattcaagtt ataaattccc ttaataatga atttcttaaa tattgattca 180
aatagaaaaa tttgaatatg aatataagac aataataaat aaaggagttt aagggaagag 240
aaagtgcaaa ctcagattta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300
aagcaaccg cttgagagtt ccactatctt gttaaattcct tttaacaagt ctaaacacac 360
aaggacaatc tttcctttgt gtttagaatt ctttcacaac aagagaccct cgggtctctta 420
atcccttttc 430

<210> 25923
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25923

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acttgcaaag taaatgaccg gctgaaactt tgtttttcac tgattaaccg aggtaacaac 120
acaaacgacg gattgaatth tatttttaacg gtgattaaat gagattacaa cacaacaat 180
cgggttgacat tcatttaaac ggggattaag tgaggttacg gcttaaacga tcgggtcaaaa 240
ctcgattaaa acatagaaaa tgatcaccga tggtaaaaga atgaagatga agacatgcga 300
cgcaaggata gaccccgag ggtgcataga atgaattcac aacttcaaaa aatagaaact 360
aaccggtcga agaacgaaga acgatgaata acggacgaag aacaatcac 409

<210> 25924
<211> 438
<212> DNA
<213> Glycine max

<400> 25924

ttattttag tagtgattct tccctcttcc cctccattac tctaattctc aaaaaacca 60
aacctcttcc gccctcctcc agtggatttg agattcacta tttttaacat ttcactctgt 120
atatgttttc attacaaaat agaggcccca tccacaactg aagggtctcc gcttctcctt 180
tcaagcgaca gaaatttccc aataccactt tgaacttcta caacctcaat atttagttgc 240

tggaaaatct aagttgaaag ttaattaaga aaaatagcac acataaatat acgttttaaaa 300
 taaaacacct tgagaaaaat gaaattgctg ataattggaa aatctaagct gaagctaattg 360
 ttgctgcgca tatttggatt caattatgct tccttttatt ctcttagcta ttatgaatca 420
 tttgtgcaat cactacaa 438

<210> 25925
 <211> 438
 <212> DNA
 <213> Glycine max

<400> 25925

tatgctaagt aatgaagaat tcatgtttat gcaaattaca ttcttaaattg gtgaatgaaa 60
 agctcaaaac atcacacaaa ggaaatgtta agcataaatt aaattgagta tatgaaaatg 120
 tatacacca taaaaagtat attctttccg tttcatattc ctagtttttt tttcttcttt 180
 taacaatatc atagttaaga ttatttctag aactaatggc taaaaagaat cttcataatc 240
 tgatgttttt tcattaagct tatttttaaaa gcattgttaa caaatgcag aaggagttaa 300
 agagtaaaag aataaaaatt tggattaaaa acaaaacaga aagtatataa tacaatttag 360
 cttgtgcagt gcagtacaag tctaatactt gaaacattta actagtggaa aactaacaga 420
 gaatataagt gttgaaag 438

<210> 25926
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 25926

tccacaacat ccaagcataa caacattcaa acagcttagt cttctttgtc aagcaaaata 60
 gagcaaaggc agaaaactct gctcaaacac caacaaaat cacagctttt ctactttaa 120
 gaccagtaa caattccttc gatccaattc gtataaccgt tggatcaact ccaaaatttt 180
 actggaagtc tatagtgcac aagcctacat tgtgaccgta gggatctact agaaaatattc 240
 cagaactgat tctgcactac tctttccaca accagcaaaa acatatcatg tatctgcact 300
 tgtgcaaaat cctgctgcac aatttcacag cataaatctg caciaagtgc agatttcgaa 360
 attcacactt cctctcatgc aat 383

<210> 25927
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 25927

tccatcaaaa caacaccaag aaacctgcaa ttaaattcca tcaaaaccca attaatctta 60
 acgaaattgg ataaaaatca taccaacaac aatatcttct aaagcgtcca atatcagcaa 120
 gtttgtaaga aagttttctg cgatgtctat ccatcatcaa gcggaaaaat cagccaaaaa 180
 tgggtattta cgcctagttg agactacctt cttcataaga acttgcaaga gaagaaaata 240
 agaaagtaaa atgaattaa cttttcccat aagttaaaat caattcatgc acctcaactt 300
 ttggagaagt tagatgagag aacttttata agagttaagt acataagtcg atccaaaaaa 360
 ggttttaggg gcacttcaga tacgctcaac aaaactaaat gcaatagcac acaaaaacat 420
 caacaatgaa agaatcg 437

<210> 25928
 <211> 376
 <212> DNA
 <213> Glycine max

<400> 25928

tactcaagct ttgcataccc caaggatcca ttaggaaatt acttgtaaat tatagtctga 60
 ggggtgggctc atgggccact ttgggataga caagaccctt gccttactca aagaaaagct 120
 ttattggccc catatgaaga aagatgtcca taagcagtgc actaggcgtg tggcttggtt 180
 acaagccaag tctaggggtga tgtctcatgg gctatacaca cccttaccca tcccatctgc 240
 accttgggta gacattatta tggactttgt ccttgggctt cctagaacct acagaggtgt 300
 aaactctatc tttgtggtgg cggataggtc tagcaagatg gcacactcta taccatgcca 360
 cgaggtggat gatgct 376

<210> 25929
 <211> 439
 <212> DNA
 <213> Glycine max

<400> 25929

tatgcacagt gcccttcatt gcccaagtgt ttggctttga ggtatcaacc ttgtcttttg 60
 tcatgacctt gtagtaagga agaaactatg caggttctca aaaatgaatt ttcaaggaca 120
 agaaacattt gaaggattttt ttttttcaat tgacaaatta agtcaaataa ttcctatttt 180
 tgataactca cattctctct caaaaaagat aaactttcaa gaatgataaa atgaggtcac 240
 atgaatgtct gtactttatt tgagacacag tcaatcaaata gttttttttc ttttattttg 300
 aaacttattg ttttgaactt tactcatcgt tttacgacac cctcaccaaa tgtgtagcac 360
 gagtaatttc tgattgaacg gtcttggaag tccaaactca agagcgcagg tcgcttgagc 420
 aaacaaacca atgacttgc 439

<210> 25930
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 25930
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 agtaaataag tacttccaca aataatattg tggaagagaa gtatagcaca tacctgcaag 120
 atggagaatt gataagtttc cttatcaagg gcatacacia taaaattttc aatggatagt 180
 ttttgcaatc tgcaaaccca actcatgagc atatccttgt aactatatcc agcaatggta 240
 agtataactg ttttagtttt gtctgcagtg atagacagga gttattctaa ggagaatgga 300
 agctccaggg ttggtggaat tttctccga accttcacca agcaatctaa tgatttggtc 360
 tgtgatttca tacgatcaat gcaatacact gtattttcct ttaaccaaga tggaaaaacc 420
 ttttcttca tcaagttcat 440

<210> 25931
 <211> 423
 <212> DNA
 <213> Glycine max

<400> 25931
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 tgtactatgt tttgatgaat gcttttccaa attcagtga ttgactatca gctacagtgc 120
 aaccatacaa taaccaaata ttttactatg ctatctgata aagatgattc catttttgaa 180

tatgtgcaga aatTTTgaaa tTTtgatatg gTTtatttca cTTtgCcttg tTatcatcaa 240
atggaatttt gTtgTtaact tTtgcttgct ggactTTTTt gTtgTtaatt cacctaaatg 300
atttgGctta aaccagagag gaagcatttg gacctgttgC acccagagag gaagctatca 360
gaattactaa tgacactaat gcaggtagtt catttggttc tTctttatac agccttgaag 420
aat 423

<210> 25932
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25932

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gaagaacggt tcaaaccttt gcgagattcc tcacggaaaa cgttacggaa acgtttcgga 120
agcgCctcgg cttagatttt cTtcacggaa acaatttttc caagcaaatt cgaaagagag 180
agaagtgcct aaggggttgG accccttCct tcttcatttc ctcccctatt tatagcaaaa 240
taggggaggt ggttgccgcc cagctcgccc atgcgagcag ggttgcttcc tccagaagca 300
accgccttct ggaggaatct tctggagggc ccaaattgggc ctgggtgcta tttgcaccca 360
catttttact aagcacaccc cCctctgctg ttatttggtg attctttntt cgtaaagcta 420
cggaaactta 430

<210> 25933
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25933

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attggtatct tatgtctttt ttgtggctCct ttgtcatatg atcatcagtc cttttcttta 120
aagtaggcta tattgaagtG aaggattttt gtccagtata gttttaagat gacttgCgtc 180
aagaaaaaag ttttaagatg actttaattt tgttttagtt gtagtagaga agcaaaagtt 240
acaatattac ttaaattgaga ggaaagaatt atgcttcact tcagcaagaa gactcaaagt 300

gtagaaacac gtttggctga aatttcaaatt attgacatat atattaaggt ggtcgagtac 360
 taaaaggggtg caaaaatttg gaattctatg tatgcgtggg acanaaccag tacaacctac 420
 atgcta 426

<210> 25934
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25934

tcacaaaagt ttatatggct tgaaacaagt tccgttttag tggtaacaaga agtttaaatga 60
 gttaatgagc aactcgggat tcaaaagatg tgacatggac cattgctgct atgttaagaa 120
 atatactaatt agttatgtta tctttgtcgt gtatgttgat gacatgttga ttgtaggatc 180
 tagtatggca gaaattaaca agttgaagca gcagttggca gaaaactttg aaatgaagga 240
 tcttgggtcca gctaaacaaa tcttgggtat gagaattctt agaaacagat cagaaggaat 300
 cttgaagctg tctcaggaga aatatataca caaatggctt gacagggttt accttggaga 360
 ttctaagacc aggaataccc ctttgggatc tcattngatg ttttcaaaga agcaatcttt 420
 gcatacatg g 431

<210> 25935
 <211> 422
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25935

ntgaaaaata cctgtgcttc cgtaaacttt atttttttat gtgatgcaag cccagccaaa 60
 tcatgctcca tgtattcgaa aacaaggat aagctgcaag acatccttga tgtaacaagg 120
 ccttccagtt ttatgacatt tggatgatca agcctacgta gaatgtgaat ttcccttgcc 180
 atgaagcgaa cactctctgg ctcaagatta tcaaactga cttttttcaa agcaacaatt 240
 ttattttgct caagatcacg agccctataa acattactat aagttccctg tccaatctga 300
 aaaataagga ggaaaatctt accattcaag gaaaactaaa acaggctgaa gacaatatca 360
 tcatttaatt gcaatccaag acaaaaaaaaa acaaaaagga tatctataaa tctagaaact 420

ac

422

<210> 25936
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25936

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ggccagttca ggccaggctt tatattgacc tgggttatagg cccctgtagg ccagtctaac 120
ctatttccac ccctaacaat ggtaaaattg gtatattaat aaaaaaatta aaaccaata 180
aaaccaacta atttacctat tttttattga ttgggtccatg taattttggtt acaaatgtca 240
tatacctaattg tattaaatatg atgaaaaata acataatttg aaacaagtta tcgaaagagt 300
ccttatttttg ggaagaaaaa agtgtgtcan aactttctta ctttatattc catccattgc 360
atattatatg atgtataaaa ttntgacaca tgtattaata aatgaaatta ttatcttgaa 420
actacctttg gttct 435

<210> 25937
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25937

catacgccca cgcgacacgg agaaacggac acgcnaccc cataaaaaana nnaaaaganc 60
aagtttgtgc tcgtgacacc cggaccnaaa acaccggcga acacgaaaaa ggcgaggaca 120
caatggtggg cccagcgac aaacaagaga nggcagggca ggaggacca cgaacaccaa 180
gcagccaggg gggaccaaca aaccaaccga gacacaccac acagacagcc agcaagagcc 240
gcgggcccg aaacaaaaaa cagccgaaag ggagcaccgc agaccaccga gccgaacgca 300
aggaacaaga cancgaccgc accgcggggc aaggcgaaag gacgcacccc ggacggcaca 360
cccccgcaag ggcgaccgac aacaaaaaca accccgancg aaaggccaca gcaccaggcc 420
agaccaagcc gacaacagac cgagcgaaca cgaccgacca gaacgaaacg agccgagcg 479

<210> 25938
 <211> 283
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25938

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 gataaatgta gcataaagggt tatacttcaa tgtttattgt tatacatctt atatatatag 120
 gtatatctat attgtgtcat ttgggtgcac atgcgcacgt aatatgcatt agtggttcta 180
 tttggacagg cactcattgt cacatgagaa gcgagcacac ttttagcgct cagccatata 240
 tttttgcgta ggatgacaag ccctataaac tgtgctatat gtt 283

<210> 25939
 <211> 430
 <212> DNA
 <213> Glycine max

<400> 25939

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 atgaagcaca agcttgatga aagcctaact tttgttgaag ctttatgcaa ctaagctaag 120
 atgggtccaa agtctaaaaa gaccaaaagt aagaaacttc taaaaattta aaactagaat 180
 taggaaagca cttatTTTTT aaattttcaa aacaagttaa aatgattttg taattcaatt 240
 aaaaaccatt tccatccatt tgtatccaaa caagatttat tttcaaattt aagtttaaaa 300
 aaaaaaagt tagaaactta caactacat acacgagatc taaaaactac aaaacttatt 360
 gtgattttta aaaagagagt ttaatactta tatattgaag gtaaaaaaat cttatattgt 420
 tatccaaatt 430

<210> 25940
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25940

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 aaagatacat ctaataatac ccataattat aacactcccc ctcaagctgg agcatataaa 120

ttatatgcac caagcttggga acatataaac tgaattctag gcccccttaa ggatttagtc 180
 aaaatatctg ctggctgac attggaatta atgaattcag tgacaatctc tttagacagt 240
 agcttctccc gaataaagtg acagtcaatc tctgtgtgct tggttctctc atggaagact 300
 ggatttgaag caatatgaag agcagcctga ttatcacaat acagcttcat ttgcatcact 360
 ttgcagaatt tcaactcttc aagaatttgt ttgaccaca taagttcaca tgtaactaca 420
 gccata 426

<210> 25941
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25941

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 agtactttcg acacctacta tatgttgact taaccaacgc tgttattggt atgctgcgac 120
 aatctttcaa caccttattc acacattctg agaggttggt tgtcatgtga ccatatcttc 180
 atccaaatgt atcgtaagcc atgtccatt tttcctttga aatgctatca atccatgtta 240
 ctatggctgg actcaattga cgaaattttt ctaagttttg atcaaacaca tgcttgcaag 300
 gagtgtacgc tgcgacaatc tttcaacacc ttattcacac attctgagag gttggttgtc 360
 atgtgaccat atcttcatcc aaatgtatcg taagccatgc tccattnttc ctttgaaatg 420
 ctatcaatcc atgttact 438

<210> 25942
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25942

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 agagctttgt cggtgcaaga tggatgcatg aatatcaagc tgccatgttg gacgaagaaa 120
 ccaaccaaga ttagccaaat tgggtgcaac catgttcccc gggctttgaa ttgaaaaatt 180
 agcagatcat ggagcgacct gagatttctg tgtcggatcc aatgtaatca agtagtttgg 240

accctattgc tgggcctagg ctttagggtc tgctactctt gttgggcata cttttcttta 300
atgttccaac gactatctaa tataacaacc tttattgata tgttccctct cgcacctttg 360
tccatttcat tcttctgcat atatatntc gntgcgatta aatgatttga cgcagatctg 420
atgatgagtc ctatg 435

<210> 25943
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25943

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tgaaagttag gagtgacttg gtgacaaaga atacttgggt cttaatctct gggaagatta 120
agggtagttc caagagtggc ttagagagta ttcgtttag tcagaagtga catataaaat 180
acttggttgt aatcaaagat ttgattagt gaacccttca agttttgaag gagaactaga 240
cgtagcccaa gagttggggg gaaaaagtat aaacctttg tgttttcttt accactttta 300
tataactagt tcattctaca ctaccgtgtt caagttttgt aatttaaaca caaagtgatt 360
tcgaatccct tggacgaatc tcatcatccg ttgatatctg tttcagaaag actntcaaag 420
tttttg 426

<210> 25944
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25944

ntgcctctga gatatagtca atgagcattg tatagtttgg atttgatcat atgatcagta 60
aaatagactt ttcatcacat attgtatctt ttttttcaac atatcctgtt ataattattc 120
ttgcaatcac tggatttgct tatcttattg tctaggaggt gtgcaaaagc ctcttatgaa 180
ccaaactaca aaaaatcaaa cttaaaataa ttaataaacc gaaccatttt taaaaaaca 240
ttcagctacc tgaactgatt tcttaaagga agttgttgaa ctggatcgaa acttanatac 300
ttaatatcaa attacatatt ctggagattc tgaaccatt gcttcaaatt tacaagcact 360

aacctatcag aaacttcgaa tcttgcccca aatcatctag gtgaagtcga tatctcatac 420
ccaagggttat 430

<210> 25945
<211> 421
<212> DNA
<213> Glycine max

<400> 25945

tgtagggtta aagtctcacg attgtcacat gctcatgcaa ctattgttag ccgtggctat 60
acgacacatc ttgccaaaca aagttagggtt cacgataact cgctgtgct ttttcttcta 120
tgctatatgt agcaaagtga ttgatatagt aatgtttgat gagttggaaa atgaggccgc 180
aattatattg tgccagttgg agatgtatctt tccccctgct ttctttgaca tcatgattca 240
cttgattgtg catctgggtca gagaaatcaa atgctgtggt cctgtttatc tatggtggat 300
gtacccgggt gagcgataca tgaagatctt aaaaggggtat acaaagaatc tatatcgctc 360
agaagcatct attgttgaga ggtacattgc agaagaaagc cattgaattt gttcagaata 420
c 421

<210> 25946
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25946

tgagaattag caaaaggggtt ctgattaatc angatttgct tttgcttgng agaaagaagg 60
acaaccttgt aaaatgcctc atgctatagt gaacttcaca gtgcaaagtc ttggtgattt 120
gcttattcaa gaaggatgat gatagttcat aggcctttat tggtaaactc gacatgtcca 180
tctatttgcg actacattta aatgtacact taatattctt tcatctgcat ttcccttgcg 240
ttaatatggg gggttggtctt ttcagatgat cctttttatc ttactaagtc gtattataat 300
gtcttaatca tgttatgttc aagtcacatg cctcaagtca atctgacatc agtagtctcc 360
aaaacttagg ataacatatt cttaanacgt ggggggtataa at 402

<210> 25947

<211> 421
 <212> DNA
 <213> Glycine max

<400> 25947

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tagcttagcc cataagggtt tccagaagtg gctaaggaac ttagcatctc tatctgacac 120
aatggctcta ggcaaaccat ggaatctcac aacttccta agaaagagtt ttgagatgtg 180
ggaagcatca tccaccttgt ggcattggtat aaagtgtgcc atcttgctaa acctatccac 240
caccacaaag atagagtcta cacctctttg ggttctagga agcccaagga caaagtccat 300
actaatgtct acccaaggty caaaggggat gggtaagggt gtgtatagcc catgaggcat 360
caccctagac ttggcttgta aacaagccac acacctagtg caatgcttat ggacatcttt 420
c 421
```

<210> 25948
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25948

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gaccaaatac gcctcagatg caaggggttg ggcctaagcg cttgagactc acgcttaacg 120
catgaccaa gatgtgctta acgcgaggct tgcgcttaac gaaagcactg ttttttctc 180
acaaaaaatg tcctctgagt tattgttcag tcctttctcc acgaaattga aacccttatg 240
ttaaacattc aaagataggc tgatatacgc ctatgtacaa attatatatc aagttccaaa 300
tgatctaata catgaaaaaa agtatagaaa ttaaaactgg gttgcctcct angaagcact 360
cttctaactg cattagtagc acacttttac ctactctga gatcttat 408
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<210> 25949
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25949

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 agcctattta aagcctgtct tgtgcataat taggggtacaa actttaaaaca gatgattggc 120
 acagattcta gagcacacta taggggcctac ttcaagaaaa gagctctgga ggcagcaaga 180
 ggagcaactt ttacagagat acctagggtt tgtaagctta ttattgttag ggtttcttct 240
 gtaatggttg gctaaacacc gtagttaggg atttttaatg aacagctgat gtaaatacct 300
 aatatcta atgattatggtt ttctgtgttc aatgcttctt tcaatgctta atgtttgtat 360
 gcttttggtc tgatcatcca tttgtgtgca tagctagggtg actntaacat tnggatatgt 420
 act 423

<210> 25950
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 25950

tgactcacac caaacatggc aagttcaaca cgctttcaat ttatcttttc acaattaact 60
 atcacaaagc ataaaccaag taaaactacc catcatatct cccaaagccc catacccacg 120
 aaaatttagg tgagaagaag tctacccaaa cctgagattt tgagggtcca cacgtagaga 180
 tgcgcttcac gactccaaaa atgcgttctt ttgcgcatgt ggagcagaaa tgggtgaccaa 240
 aggttggagc tttaatggag gcttcaatgg agaggaagaa gatagaagaa gcaacgtgag 300
 ggagagggag atagcttctg aaattttctg ttgagtgatg agagagagaa aacaactttt 360
 tggattaaag aggctatact atgttctatt attatatcat aagctatgcc acatgtctac 420
 atttgagtgg a 431

<210> 25951
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25951

tactcaagct tgtaaacttc aaattttttg gggggaggga ggggggttatt ataatttatt 60
 gacatanaac agagngagta aattgactag actggaaaaa ttcactccct tggaattgta 120
 taaaggaaaa gccttatata tttatatcgt actgggaagc agtgtcacia atacacaggc 180

tacagatgtg atccaccatg cggacatttg cttacttgat gattgttaat caccaattca 240
acaatactat aaacatgtaa ttcacaaaac gaaccgaaaa tgcttaatca catt 294

<210> 25952
<211> 403
<212> DNA
<213> Glycine max
<400> 25952

tccgttcccg agagcatctc ttatttaagc atttcttcct ttgctttctt gtagcttagg 60
aaaaatccca tttctttcttc tttctttctt ccaaattccat ttctaaagtt ccaagtactt 120
tctccatcac ccacaaatca tcatttttct ccattgaaaa cccacaccga gaggaaccct 180
tcaaccgaag cagaatttcc aacttggctt gcggtttcgg tagagaacga aaaccctaata 240
atgatcttct gttttcttct gaggtaacca tggttctatg cttgtttctt gttagtttca 300
tcttgtcttt gcattcttct taactttgca accgccattg catgtcttat gcttcatttg 360
aaaaacctta gagaaagaga ctttgtaaac attatccttt cat 403

<210> 25953
<211> 370
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25953

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caggggagaa gaatatctga ctctgcgtg gctatacatt agagtgttgc taggtgcacc 120
cagcacttaa gcggaaataa catatatatc ctttcctaata ctatttaaaa attgtacacc 180
cagtagtgcc caactttctt cggcgccctat tgatttcctt cttacttcga ccatgcacct 240
agcaactacc gtgaccttac tgcttcttct tcttctcctt tctacgcaac ctttggtggc 300
aacgtgggta gaattctatt ctttctcctc ctctcctgt gcgacctga ttggtggagg 360
tgcttcacct 370

<210> 25954
<211> 388
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25954

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tataggcact cctaatacgaa tactggccac taggatctgc cgccacacacc cactgatcac 120
caatatgaga ctggattttg taccctcaa cttcttgat aaatgagacc gccatatcta 180
tctcactgtc aaataatggg ctgtgccact tgaagtcca tccccacct gtgtccttga 240
aatctcgta cacttaaatt tgtattgtta gagaataaaa tgggtaccatt cggatcaata 300
aacatattga gtgccttagc aatcatacaa acagaatcat atgcatagag gctgtatgga 360
tttaacccaa ttgagccatt actgatgt 388

<210> 25955

<211> 304

<212> DNA

<213> Glycine max

<400> 25955

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tctagctcaa gacgttaaag aagcactact aggaggcagc ctagtacctt taaattttct 120
gctttttatt tgtttttggt tgttcgttta ttttcgtaag ttatatgcct agtttatttg 180
aaatcctagg aattaagaaa atatacaagc gtaacaaggg gatgtctaatt tttttgcaaa 240
agacaaaaaa tggttagatt agctcgcta ggcgaacatg tctgaaccag aggcgttaaa 300
aacg 304

<210> 25956

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25956

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aggcttgaaa ggtggaattt agaatgaggt aaatttgag caaactctca cctcacacaa 120
gtctataaca tcaatctaaa cttgctcaaa ctggatttac acctaaattt ccaccgaatc 180

aaaatttgac tcctcaacac ccaattttgc cctagaaatg gctcttggtt cacttttggtc 240
 atttgttttt ctctctagct cagcctaacc tttctcacat gtcctaaatg acatttcaag 300
 ctattattaa ctcactttta cctccattta ccacagaatt cagacttagc cttccaactc 360
 tcaaagtctc actctttttc cactcataac atcacactct cactntctaa ccttgngtta 420
 gttctaccct ttgtctc 437

<210> 25957
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 25957

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 ctcagcaaca gtgtactctc tgtcatgttc aatttcaggt atgcagccct tgccattaac 120
 aatcgctttg gattcatcat tatgcagtga ttgttgctgt gaaatttgat cagtatcaac 180
 ttggacaaag gcaggagtgg gtaatgttgt cttgacttct tcattcagta actgtatttt 240
 tgttgcttct tgttgatcaa aattgccacc atcctctatt ccttgttgca atgttgctctt 300
 gtcagtgtca atcactactg gttcatcatt tttatatgtt tgttgctgtg agatttcctc 360
 agtttcacct ttgacaattt cagaagt 387

<210> 25958
 <211> 420
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25958

tggctccgtt cctggttata tcaaccaaac tacacttctg cttgctaatt tcttaagagg 60
 catataaaat atgttttggt cttataatcg ttggtttatt ggtcatgggt gaaaggccta 120
 aagtttcagt agatactatg gcaaattggc gcagaaagat caacccaaat atgcctccca 180
 tattcatggt atgtcttaca taatgattct tatttactaa cttatgaatt ttcagtctat 240
 ttcttggtact atatgtaccc aagagggctg gtctcatgga aatgttggtg gaatacctgt 300
 gaaagaggaa aaataaatgc aatattactc ttcctttaac aaaaaaacga tgtagccac 360
 tagtttagca atgaanagat cccaattcan aagacaataa aatatgctag taatgcatta 420

<210> 25959
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 25959

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 tggcaaagca tagtgcgatt caagacattg agagtcctta gcacctcgtg gacgacgata 120
 tggctcagaa ggaggatttg atgatctttg atggtgcacg aggaccttac aacatgtgac 180
 attatggatg ctctgtgtga agtcaattgc aaatccaact atggaacacg ttcaagtcgt 240
 ttatggcaca gagaagctac taggtgagcc tgctcaggca tctgaggcca atgtgcgctg 300
 caacgcgaga agaattgcat aatatgattc act 333

<210> 25960
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 25960

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 tcttcagaaa catggcactt gaacaattgt cgacttttgg aaatgtattt tttgaaatca 120
 gagactggta atcgattacc attaaggtgt aatcgattac acatcaatac acgcgactct 180
 tcattttgaa ttctgaaatt taaaatgtgt agaaacacca gtaatcgatt acaagaattg 240
 tgtattcgat tacacaagtt agcaatgttt aaacacaaat tgtaactctt gacatttgaa 300
 atcttatcat tgtacaacac tggctataca ttactacctt ctggtaatcg atcaccatcg 360
 agtaaaactc tgtggtaatg attgtgtgaa aactgtttga gctactcaat gt 412

<210> 25961
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25961

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aacccggaat gggtttaggc aaagacaacg gcggcataac tagcctgata aatgccaaag 120
gaaatcgtgg gaaatatggg ttaggctata agccactca ggcagatata aagagaagca 180
tcgcgggaag gaagagcggg agtcagagct cacagttgag acaagaagggt gaaggaagcc 240
caccctgccca cataagcagg agctgtataa gcgcgggtct gggggacgaa ggtcaagtgg 300
tcgcgatata cgaagatggg gttccgagta cattggattt ggtacaacca tgcnctccta 360
atttccagct gggaaa 376

<210> 25962
<211> 412
<212> DNA
<213> Glycine max

<400> 25962

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tcagagtgcac tctcagcgcg tgaagccat gcttcagagc attcatcagg gacagattat 120
tttacttttag agtttatagg tgggtgggtgcc tccaggatcc attccttttg ttgagtagtt 180
tctggagggg gtagcctggc ctgtggccca accttctcat cacagggaag atgaagggtcc 240
cacagcccag gtaccacatc atgtagagga tgagtcattt gaggccacca ttccagatcc 300
attcattata aaggaggagg catgtgagac acgagttaga caggatgttg ctgccactcc 360
tgagagatct cttaagggca cttcagagcc tctgcacca gtggtggacc ta 412

<210> 25963
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25963

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aatttctcca ctgtattccg tgtgacaagt gatgaccatt ttaatttctc gatagcattc 120
gttgttcaat ttcgagcgtc tcgatatatt atgcgcttga atcggacttc cgtgtgacaa 180
gttatgacca tttgaatttc tcgagggctt ccgtttttca atttcaagct tcgagatata 240
ttatgcgcct gaatcatact tccgtttcaa aagctatggc catatgaatt tctcgagagc 300
aatcgtgct caatttcgag cgtctcgata tattctgcgc gttaatcgga ctttcgtgtg 360

acaagntatg a

371

<210> 25964
<211> 418
<212> DNA
<213> Glycine max

<400> 25964

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tctcgagagc ttccgatggt ctatttcgag cgtctcgata tattatgcac ctgaatcgga 120
cttccgtgtg acatgttatg accatttttag tttctcgaga gtttctgttg ttcaatttca 180
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aattttctcg gagcttttga tgttcaattt cgagcgtctc gatatattat gcccctgaat 300
cggactttcg tgtgacaagt tatgaccatt tgaattcttc gagagcattc gttgggtcaat 360
ttcgagcatc tccatatatt atgcgcccga atcggacttc cgtgtgacat gttatgac 418

<210> 25965
<211> 372
<212> DNA
<213> Glycine max

<400> 25965

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tcacaacaag ttttccacat ccacaatgcg cgcataaacc caccatcccc tgttgcccac 120
ctccatctga gtcacgtac tcccacgtag cccatatact catttctctc aacactgggt 180
cccatcaat cctcccaagc ttcgacaaca tccaagcaaa acaacattca aacagcacia 240
gctatcacag ccaagcaaaa cagggcaaag gcagaaaact ctgctcaaca caccaaccaa 300
aatcacaact tttctcactt aaagacccca gtaacaattc cttcgatcca attcggtaac 360
cgttggatcg ac 372

<210> 25966
<211> 421
<212> DNA
<213> Glycine max

<400> 25966

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ggaatcttct ggaggggcca agtgcccctg gttgctatct gcaccccat tttactaag 120
tacacccctt gccttttttg gtgattcttt ttctgtaaag ttacggaaac ttacgaattt 180
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ccctttttga cttacggaat gttacggaac ctactaatt gtgcaacgat gcttccattt 300
gatttccggt gtgtcacgga accttacgga ttatgcatca atattttctt ttgttttccg 360
gcatgtcccg gaatttcaca aattgcctaa tgatgggtgc caagcacctc acaaggacca 420
a 421

<210> 25967
<211> 389
<212> DNA
<213> Glycine max

<400> 25967
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tctgcatttg ttcacaatgt tgctaaatgc attgcttaat atcttttctt cacaaaagta 180
gttgtctatt tagtaaatgt gctgaatata agaaaatgac cttgatgatt taggtggaga 240
aaatgaggct gcttcatgtt ttcacaaagc aatttggaat tgcttacaat gattgggaac 300
ctgtgaattc aggcataatta ttggagtcta cttctgttga gagtttatca tctgccgatg 360
atgtggttgc tggctgctca gatggacat 389

<210> 25968
<211> 444
<212> DNA
<213> Glycine max

<400> 25968
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acacacacac tttttcctaa tcgatcactc acataaattc gaccctgta ttttgtgaat 120
ttgtgcttat cttaaaatta aattggttac tcatgtgagt tcttgattga atcccatttc 180
tctccccctt tgacatcaac atatagccat agtgcctatc agaactaag tatgcaaata 240

taactaatcg ttcaaacaac atttatgaaa aaccatgaac caaatcatga agtacgaacc 300
atgaagcatc aatcataaat agattaacta ttaaattccac atagccaaat aacatactcg 360
ttcgaccata ccatgcaaat aaagaaaata gttaattggt catataccat aatcatatag 420
ccaaaataca tgagaataga aaac 444

<210> 25969
<211> 390
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 25969

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tcgagcaaat gggctcctgaa agccgaaacc tcagcttcag aaagaatgtc atctctgtga 120
agagccacca aattcagcat ctgatagaga gaatctcgct gccatttgag gttgtcggat 180
tgaagctgcc acagcttctg ctctgcggaa acgagacacc gatgtttctt gaggccgaag 240
ggtaaaatgg tcttgacacag agaagatatt gagtcgtgca gggtcgagta gtacgctgtg 300
gggtgccttcg aatacaccat tttcctaaca aggaactcaa attttgcta caaatatata 360
tataaatggt gttnttgtga agattctgga 390

<210> 25970
<211> 430
<212> DNA
<213> Glycine max
<400> 25970

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agttttatgc ttccttttga aaaccctaga gaaagacact ttgaaaaagt tatcttttta 120
tgaaatgggt gttattttcg cgaccttcac tgaatcccat gcgcattggc atgactagaa 180
tttcaaaatg atgctccttt tgtagaactc gaaatacccc ttagcctttt catgtagtga 240
catgagtatt tgattcaggg tatcgatgac aactatattt ctaaaatcca ttgtaatttc 300
cttcattttg acgtataaag acttgcgttg gaccaacaag cgtgaacgag aaagagactt 360
ctaagtgaca caacaaggaa cttggtaggg agctcacaat acgtgagggg agttattata 420

aaattatcat

430

<210> 25971
<211> 390
<212> DNA
<213> Glycine max

<400> 25971

agctattgag caattgaaat gtgtcataac ttttcaacttg gaggtccgat tcatgcgcat 60
aatatatcga gacgctcgaa attgaacaac ggaagctctc gagaaattca aatggtcata 120
acttttcaat tggggggtcag attcaggcgc ataatatatc gagaagcttg aaattgaaca 180
acggaagctc tcgtgaaatt caaatggtca taacttttaa ctgggaggtc caattcaggc 240
gcataatata tcgagacgct agaaattgaa caatggaagc tcttgagcaa ttgaaatggc 300
cataactttt cactcagatg tccgattcag ggcataata catcgagacg ctcgaaactg 360
aacaatggaa gctcttaagc aattcaaagc 390

<210> 25972
<211> 435
<212> DNA
<213> Glycine max

<400> 25972

tactcaagct tcatgcgaga gtcaaagatc aaattgagag gaaaattatt atctattcta 60
aacaagccaa caaaggaaga aagaagggtg tcttcgaacc cggagatcgg gtttgggtgc 120
acatgagaaa agaaagggtt cgggaacaga ggaaatcaaa gcttcaacca aggggagatg 180
gaccatttca agtgcttgaa agaatcaata acaatgctta caaagttgag ctgcccgggtg 240
agtataatgt tagttccacc ttcaatgtct ctgatttata tctttttgat gcagatggag 300
aattcgattt gaggacaaat cttctcaag agggagagaa tgatgaggac atgttcaaga 360
gcaagggcaa ggatccactt gaaggacttg gaggacctat gacaagggtc agagcaagga 420
aagccaagga agctc 435

<210> 25973
<211> 379
<212> DNA
<213> Glycine max

<400> 25973

agctttttat aagctgaacc attttatcaa taaacacaag ttgagtttta ttcagaaaat 60
tagagtttat ctcttttatc ttagtgagag tgattctcct aaattcttga gtgattcaag 120
aacaccctgg ctgtatcaaa ggactttcac aacctttgtg tgttgtcctc gctggaaaga 180
gtgattcttt ccttccaatc atctccaccc ttgttctttc aaaccacaat tccagaaaat 240
ccacctctgc ccaaaattat ctctgaccca taactcccat tttacacact cacattaagt 300
gattcttgag cctaaattga atttcaaaac gagacctttc acctcgtttt ggaatcacct 360
catttgagac cctgtagct 379

<210> 25974

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25974

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cctggagata tgtcgcgggg gtcaggagac cttggggacg tcaggtgggg tgctattgcc 120
caaaaccaag cttgaccaat cccgacccaa cccgggcata gtcggtcagt gagaacctgt 180
gatgtaccta aacaggcgag ctctggcgag tcaacaaata aaaggaacaa agaccacaaa 240
gcaaggaggc ttgtggtggc tggccagctg tgaactttga ttgatatgtg gggttatggcc 300
tctggtaatt gattaccaag ggtaggtaat cgattacaag gcttaaaatt gaagacatga 360
ggctaagatg gtctctggta atcgattacc acggcgtgta atcgattacc aggcttgaaa 420
acg 423

<210> 25975

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25975

atctttcta ggaagagaaa gaccggncac gagcacataa catgatttta aaagaagagt 60
tagccgtttg ctcaaggctc aaaagaaact tgtctcagcg tttatgctga gcagaaacca 120

acatgtagc tatcatcacc aagtaccaag aagaactaag tctagccacg gccacgagc 180
 atagggtgcg gacgagtatg cccatgtgta cgcggaagagg gaggttagag gaagggtgat 240
 cgactcgta caccaagagg caaccatgtg gatggaccga ttgctctta ccttgaatgg 300
 gaatcaagaa cttccccgat tgctagccaa ggccaaagca atggcggaca cctactccac 360
 ccccgaggag atccacagac ttctcgacta ttgtca 396

<210> 25976
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 25976

tgtagaatgg ctagacatga tacatgtcag ggtttgtttt tgttcaagga taaaaggga 60
 tgccccacat tatttccatg acacaaaatg caaaaaaatg atgatttgga aactttatgc 120
 aaaactggtc atgcatgcac ctatgcggac actcaagtg caaattttta tggatcatgtg 180
 atgctagggc tcaggattca tttctctat tttaatcaac ccaatgtttc caaaatatgt 240
 tcttttatca atttgtgcat tcatccgagt ccatttcggg cgccgggga aatttcacag 300
 cattcacct tcagggttag acacattttc caaaaattgg ttatgatcaa tgaacttttt 360
 tttggaaatc gtctcttttc aaaagcatgt cgtttttttag ctagacaact tattttcttt 420
 ttttctct 429

<210> 25977
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 25977

tcatcttggt ggtgaagctc tttcttccat ggcttattcc cttgtgcca agctagaggt 60
 ttgttgaata atccccttca cttttcattt catatttttc cttgaaaaat atcctttcca 120
 aggtggaagg gatgatgcaa tcctaccgcc caagggtatt ggatagaaga ctccaagagg 180
 cttaggctag agctactaaa gaaggcccta gggttctcat gaaccttagg gtagattttt 240
 gagcccatgg gtcaagggtg gatccactct tctttgtaaa tattagaata gggttttttt 300
 ccttcttttg ggccttgat ttttgccatt ctagtagtat aggttttttag ccttgatatt 360

cagggcattt t

371

<210> 25978
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25978

tgtgactcctt ggcaatttct ttgaaactag tcaactttaaa agttgtgact tttgaaaaaa 60
tcttcagaaa caagtcactt gaagaattgt gacttttgga aatgtatttt tcgaaatcag 120
tcaactggtaa tcgattacca ttaaggtata attgattgca catcaacaga tgtgactcctt 180
cattttaaat tttgaaaatc aaaacattta gaagcctttgg taatcgatta caggtattgt 240
gtaatcgatt acacaagttt aaaatgattt aaaactgttt aaacataagt tgtaactcctt 300
gaaatttgaa atctaacgtt ttaaaacact ggcaatcgat tactaccttc tggtaatcga 360
ttaccagagt aaaactcttt ggtaatgatt ntgtgaaaac ttcttggtgc tactcaatgt 420
ttgaaaaaac 429

<210> 25979
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 25979

ggctgtgctc atgacatcaa cntaatchnac ncggccgcgg ttctattgac tactgcagct 60
gtcatttttg agactttgct tgnaacggag ctgtgggaga aattaattat gggccggggtt 120
gtggcttccg aattcctcca cttgcttgga cctgtgatac ttggagaata tcccatthaa 180
cttttattct ttagaaaatt ttgtcattta tttaggctgt tgtctggact gcaaaattct 240
ggaacattca tgccccatc tagccgatgt catgggaaat gaatttatat tttatttcaa 300
ggccaagttt ctagtggctt taaaacattg gatacatgtt taatttttcc gtgctaataa 360
tgggcattga taactgga 378

<210> 25980
<211> 432
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25980

tcttttaaatt atttgtactg gaaaaggtac gatggtttgt gtttctgccc ganngtcgga 60
taatagaatg taacacttat aaaaatgtga tgtgtgtcag ctccgactat atttatctcc 120
tattcattcg taaactttta tcgggttata tttttttaac tcgatttcta cttaacttt 180
aagtatattt ggtaacatta gagtttaatt aagataacac tctaagcaag attaatcaa 240
cctaatttca gacattgaat caataagata atgatataga caaatatcat caatcgtttt 300
atttttagatc taaaatatag gcaaacattc gactttattt attaataagt atccaaatca 360
tgtgaaatta tttcagttta tgtagttgta tcgacttgag ctcttaagta tgtgaatagc 420
ttaaatatgt ga 432

<210> 25981

<211> 556

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25981

aaaccggcac agaacaaccc cactacgaaa acagacacca acnacccccca cnacccgcnn 60
acggcaanat gatgcgtcca tcgaacnacc gaaggccaan ncnagcnncg cgccgcaggc 120
ganaccagca gcagcccgcac cggcacggca ngccctagct tatggannag ccaaaagcta 180
ccacaacagg ggcgcgcacg gagcgaccan gacgacacgc aaccgacnca caagtcnagg 240
ccacaccccg agacagagaa aagagaagac accccaacac cggaaaagcg gaccgaccaa 300
cacgaccgga gggatgcaaa cacgccgcac aaggccgagc cggcatcaac ctggagcgac 360
agacaccacg ggacctgaaa gaaagccac ccagaacaac ccgagccaga ggcgaggcac 420
gaaccacag cagccaagac agaccaggc acacaactgg acaacgcaac cggctgaagc 480
ccgccgaaaa cagacgactg agcaaaccac cacgaaccgc acacgcagag cacgaccaca 540
caacattaca gccaaag 556

<210> 25982

<211> 487

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25982

cgaanncttg acgtcgatag aangncacac gacctaaana acacgcaaga cagcaagaag 60
ngctcaangg nagaacaac atgtatttat ggtgatanca gcacgcacac aggaagcaca 120
ggacggcggn gaaccaaagc caccacggac cgacgaaggc gcgagaanac caaaccgcaa 180
agaccacagg gaccgaggaa cggaacagcc caccgaaggc ccggaacgag gcatacaagg 240
acggaacgga acctgcacgc acaccaggc agaggatgtc agacacgga acgatgagcg 300
aacaagctag ggctggaagg catctaggga acatagcaag cgatgaacaa tatacgagca 360
ccgaactgaa cagcagcggg acaaggcgga cagactcgac aaagaacgag ggcaacgatg 420
ctgaacgagg acttgaacaa cgcaggacag ggaatggagc acgaaccgtc aagaccctat 480
tgaacag 487

<210> 25983

<211> 388

<212> DNA

<213> Glycine max

<400> 25983

agtttgacta ggcgagttaa ttttagcctt agtttcactt tagttattag tcaattcgat 60
taagaatgag aaatgccaaa gagaaaacgt ccgattgatt ttccgcttta ttttactaaa 120
aaaaagatgt tttttgatta ttatattatt tttcatctct ttttgttttc caacgtgggt 180
acggcacgac cgaacggctc aaattcattt taaccgaagt ttacggatca tacaattcaa 240
acgttcggtg gaaatttatt ttatttttta gttaagcgag aaatgactta agtaaaatgg 300
cttaagcagc tcaacagggg gtatgaaaag taaatgaaac gagaacagaa atacacaaaa 360
cacaatttgg accaccacga gtacatag 388

<210> 25984

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25984

ggaccttaaa actagctgac acatgaaaga atggaaaaga ttataagatt tggtagaaag 60
 aatgatgttt gtatttgaag tgtagaatac aacaagaaga attcttttac agtgggtggt 120
 cccttctccc actggaaatc ttagtttctg ttatttacca aaaagatgtg ttcctattag 180
 aatttcccca atttaaacta cctaacctcc tcaactgacc tgaaaccaca aataacaaaa 240
 tcaactagcct cctactaatt atttcatctg gaatatcccc tccaaacctt attcctcctt 300
 attaagagtt ggctcatgcc tagtgacgta cgatgcatcc aaatttatca catattctcc 360
 acaaactcac aaataatata tgacatgtgt aaagtcaact gagattaana taatagaact 420
 acaaaagca 429

<210> 25985
 <211> 390
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25985

agtctttcat aggtgaaatc aggtgcagcc atttccctta gagtcctctc acgggggtgga 60
 gggtgggtca tgttctcaaa atgctcaaaa tcaaaatggt caaaattata atgctcaaaa 120
 tcaggatgct caaaattacc aaccacaaaa tgctcagtct caccaataat agaatgctca 180
 ggatgctcaa aaggtacaaa atgatgccta actaatctat gaaatgtgct atctatctca 240
 ggatcaaagg gttgtaagtc agatggattg cctccagtgt agtgtagggt tgaactacag 300
 ctatcctcaa atgatatcca aatgacttga aattntgtga gcaacaccct anaatcatga 360
 aaagatggca canaaattnt caggcaaaaa 390

<210> 25986
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25986

tcagctntgt cccaaggct tcatgtagac ttgtctataa tcgcaagta aacctcggat 60
 ccctgtccaa aatcgtgaag taaacctcgg atccctgtcg aggttgctct tcagccatga 120
 cttcggcttc aaattctact gtttgagatt ccctggatgt aggtgaatta gaagatgatg 180

actcagaaaa gtaagccttt tcaaggattg atgctactgt tttgtcgtgc aaaagctttc 240
 tttttctctt tgcgttggtt cttctgaagg ttacttcaat ttctaaatcc aatggaacca 300
 attcagctgt agaagatcta cgaatgcaaa cactaatagg aaaagcagtt aaccaattca 360
 agaagaaaat aaattctgaa ctaaacaaat attaacaaaa acaaaaatta ataaatcana 420
 gaat 424

<210> 25987
 <211> 248
 <212> DNA
 <213> Glycine max

<400> 25987

gattctctgc tgactgaacc ggggtactgc accgagcgat tctcgcaact ttgacccgtg 60
 aagacgacgc acaacagcta acaaagcctg ctcatagaag atcagaatta tctggacttt 120
 agaatcgctc tgatcatgag aaacctggca atggaattac gagacaccct gggagcactt 180
 aaattttcat gaacgctttc aagcttccac ataccttctg caagcactac caacggggccc 240
 attaagag 248

<210> 25988
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25988

ggcaccagat tgtgctctag cattgaanac ngaacttagc aaaccagcg gcacgggaag 60
 cgaacgcaga acatgcttta gatttttctga gccacncacc aagcacgaag agagggcnga 120
 ggaacaccac cagaagccac ggcgagaaac aacacgaatg gggacaagan cccaaggggc 180
 caagaggagg accctgagnn aacggacatg ggggctaaga aaaccctca agaggcggag 240
 aaaagtttca tgggagggaa acatgcatta cctcgctga tctaattaac attatttcaa 300
 agcaataccc cgatgtggaa tagtccatgg gtcatacatg agagctgaaa tttaatggtc 360
 gttcatagga tatatacaac atggttaact gatgttagta acaggtcatg acattttaca 420
 ctcatgaagc gaattgaatg tgcataactg aatgctatga aagaactact ttatcg 476

<210> 25989
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 25989

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agtcttttgt accgtgcacg tggccgcatg aactgcaaga aagaaattat agcaccagca   60
aattacaaga cttgcccaatt tctaaaagct tcaatgtagt gtttcattct tctgccttgt  120
ttaccaataa cacaaattaa aatcactaag taaccatgtg cacctgataa tcagataatg  180
caccatatga tggattacag gaatcacccc aacgcccgtg tgggtattga tcccatccta  240
ttgtccttga tatgtagctc tctggacgat ttgccctatg atagttgcat atagaacgta  300
agaaatcctt cagacagata cttcctttct atattttgga acacgacata ccaattgcaa  360
agaacatacc aa                                                         372
  
```

<210> 25990
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25990

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actcagctgt cggagggaat ccatggcccc ggtaatttg gtgnccatga cctccacggc   60
gggctccttc tcgggatcca gcgtgcacac gaagatgtca agccccggca gcttctcatc  120
cctcggcagc ttctccgtca tgacgctccg cgacaccggc cgccaccgga aggcttggct  180
gaagaaccag agcaccgaga gaagaagctc cgctacggtc atcagaagcc atggcgctgt  240
tggaggttcc agtaacaagt gagttatgcg gtagtaacac agcgacaaca ctgccactaa  300
gtggatcagc atgtgaagtc tgctcagtcg caaccatgat tgaaccggtt caacgcggta  360
cgtgaacatt ggctatctta tggtctcttc gaatttctat atat                     404
  
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<210> 25991
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 25991

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agtcttttct tcttatagct gacatgaacc atctttgata gatgatcggt tctgcttact   60
  
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aaccagttct tcataaatta aagagggcca ttacctctat taaagaaagt caaaagacgg 120
 aaatcatatt acatgtgata ctattataaa gaaactaact agccgatgta ttgcaatact 180
 agattaactc atttgctttt taagttcatt ttttttaacc tgatagcctc agacacacca 240
 ggtgatgaat agttccattt caagattttc ttccaaattg aatctgcctt tcaattttga 300
 acctctttaa cttatgactt atcccttcta ctgttataat acctcacctt acacacagaa 360
 acttggttag ccccaacact aataaaaaag 390

<210> 25992
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25992

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 atattttagg ttgaagtatc tggattgatt agtcattttc aggtgttttt tttctctgat 120
 gttgttattt ttttttttgg cacctttctt ggttctcaat aaaattgttc tattcataaa 180
 agttccattt taattattca ttgtgtttca aatggtgaga ttgagatgaa cgcattgatt 240
 ctatggtata ttttcataaa aaaaattacg gaatagtttt tgtcgatggt ttaaaaatca 300
 gacctgtcat taaacttcct attctgctgt ttatataaac ttattaacct tatatgaatg 360
 tcatgttttt gatatgttat gccttcaagg cagcatgaat gttcatgtat aagttgtctt 420
 ggatgttcgg ttga 434

<210> 25993
 <211> 386
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 25993

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 gtaacgattt tattcttaat aaaatttgac ttaataaatt aaaaaaaat atttataaat 120
 gattcatgac cttaacactt aaacaatatg aaactttgtg gggtactaga ataaataggt 180
 tatagctaga gatatgcac aatggcatat tagttctcta acttttacca tttattttgt 240

ttttataaat actgattcta atgtcgaagt ctcttttaaat atatcggcat aattcagctt 300
 atacaagtta agttaaaata gatctatcca aatatttctc ccactttaca ctagtgtcta 360
 aaagatatat cctttntaat ctccat 386

<210> 25994
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25994

tgtatagtgg aagaatttcc atattagagt attatattct gtgtgttctc attattacat 60
 ttaattacta agtacctatt ttaactttac aaaaaggaaa agtccagttt tccaacacaa 120
 agtaccatt gcttctcccg agaaagtata gagcacttga taataagata aggaaaggaa 180
 gagaaaacaa tatctcatga agctcacaag taaataaaca gggatggaag gagctaatag 240
 catacagagt gtaatcatac tgagatgaag agaaaaaatg ccaagcgaaa ctttcttgca 300
 gtatgagctc actatacacg taaaagaagg caccgccgcc aaaatgtgac tattaacga 360
 tccanaaaat taaggagagc ccttaaaata tgactcgtat ggcacanaga aacataccct 420
 tacttgagag aaa 433

<210> 25995
 <211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25995

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 ttaaataaac atctaaattt ataaatgata tttctctcta gatatagatt aggataaatg 120
 agagtgcttt tagctgtaat gcttcaacaa gagcacttan gaatttttct ttacctttta 180
 cctcttttat attaatatat catttcaata attttagttc taattgctta aattttaata 240
 tttttgcaaa gaagttatca ataattaaaa ataacattgt atcatagtat aaattattta 300
 acataaataa aaaatatttg gttattatat aatttatata tttaaaagta tgtatttatt 360
 ataaatctac ttatataaaa tag 383

<210> 25996
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 25996

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 aaacaaatca aacgtaacaa gacaattata gttgctgttt gaatacctca cccactcaag 120
 tgtatcacac aattatggct tttctctaata gaaacactct tgcctttttac cactctaatt 180
 ccccttgagt tcttaggcaa ttcaagagat tatggccaca acaaagaaca attcaccaat 240
 atgtgtaagg taaggctaga gagacaagga aaagggttaac caagaaaaag gctaacaatg 300
 tttttaggca caaatgaagg aaataaaaatt cagaatttat gaattcaagt aacaatcctt 360
 catgcaacca atatattacc ttaaagagat tnttttttaa gttcttcaag catgaaccat 420
 tcagcccaat ttt 433

<210> 25997
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 25997

agtctttttt gccggcaatg gaggacggcg cgcgtggaga agaagacctg gacgcggaaa 60
 gaggactgct gcacgcgtgg agctctggct gcggaagaag aagaactcga aggtgaagaa 120
 gctttgggtc gcggaagaag aagaagaaaa cgaaggagga agaagaaagt ttggctcgcg 180
 gaagaaattt tgaaacagaa aggcctttttc atttaaaaat ttttaatttat taattttatt 240
 ataagggcca attgtgtaac ttcatataat tgctgggtgc acctagcaac agccttggtt 300
 ttttgcttga catgaggccc gaaaggccat actcttaaaa agaaaaagaa aatcaacgtg 360
 agatcattaa ctaagagaac ccttttctcc cgga 394

<210> 25998
 <211> 429
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 25998

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tccaatttat tgactctatt ggtcaaagtc tccagcttct gctccatcat ctggagttgc 120

ctaccatatt cacattttga cttcttcctc ttcattctct cagttgaagc catttcactt 180

gttgtgtttg gcaatgaaaa ccatcaccat gtttaattatg tgtgcgaaaa catgttcaac 240

ccggttaagta ttattttgtg acaatttgta ttcattcatta tgttaaaaaat attaataaca 300

ttaattttta actaagaaaa gactatattg aacaaaattt taaaaattaa ggactaaatt 360

ntatttttta aaagataaat gactaaattg aatcanaaca atatgataga tgactaanna 420

gtataattt 429

<210> 25999

<211> 486

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 25999

aggaccgann attgatgaat caatgactac ccacaggcga ancccagcac ggcacgagggc 60

gatacagtag agctgaacgc aagccatttc agttattaat ggagngacct aagggcaaga 120

ggcattctca aataaaccat gcatgacgta gccatctcgt gtgcactagc tacctcacat 180

ccgatctgtt ctaataggat ctctgctcac cagctccgat acttaaaagc ccaaccagaa 240

cagttcattc ttccaataa tggaatgcac tgcattgctc aaaggcacag aatgaagctc 300

atatattcta caagctgggc catcgatgtg acgatgaaaa gacctagagt cacaacctga 360

gccaccaatg tagcggctcg gtgtactgcc gatatectct gcagcgatgc atatgaaacg 420

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gacaan 486

<210> 26000

<211> 314

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26000

ggaccgatgc acagtcgagc cggacactac attttttttt aaccaccaag agaacaaaga 60
 gtacgagcgc ttagcgact nggatggctg gaccactagg gaagcagctc acgtgcccac 120
 acacttaggt gagaaggatc gtgtgaaca ttccccggga caagccagaa tgactagtat 180
 gacaacaaag acccatatga ctgtgagaga acacacgtga gtgtggagaa tgagaagcaa 240
 aattctcact gacaagagaa catagacaga tgctggactc attcaaaaat acggataagc 300
 tggaaacgcc taag 314

<210> 26001
 <211> 334
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26001

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 acgagtccaa ccaaccaatc ctaaacaacg ttatattcca tcgacttttt tggtcattta 120
 gagcatgcat tgatgcgtgt gcattatgtg aaccattgt gaaaatcaat ggaacatggc 180
 tatatggaag acacagaggg acactattag ttacagttgc acaagatggc gctaacaaca 240
 tattatcatt ggcatttggg atgtgcgagg gtgaaataac atatgggtga cacttatctt 300
 tgtcaaactt gagaacacat gagacaccct aata 334

<210> 26002
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26002

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 anacacgca catttcatct tctgttgat gaatgcacga tcaccttggg agatgttgct 120
 cttcaattga gtttacacgt tgatggaaaa ctaattactg acctaaaata ttatgattgg 180
 gaacaaatgt ggcataata tatatgtgtt ctttcccaa agaatgcact aataggatca 240
 acacttaaac taatatggtt aagagaaaac atattagctc tcctagtata acccatca 300
 cagcaattag taactcattg tagagcatac attgtaagac taattggtgg agtgtcgatg 360

ccaaacaagt gaaggaacaa agttcagcta atgtatctac ctctgtagc acattttgat 420
caagttgggtt ggt 433

<210> 26003
<211> 389
<212> DNA
<213> Glycine max

<400> 26003

tagcttttca tcccacaaaa gaagtcagat tcgggtctat ttttcagatg ttaatttgta 60
aacagactag catgtgactg aaacatatgc acacccttg gatacttctc cataagcact 120
tgtagaagaa gaaaatctat aacaatgaga tacgctaagg gaaaagctag ttacattgag 180
attcatcaaa agctgatttt gtatcgtgca taagctaatt ttgattcatg gagaaatgta 240
tttcatatta ccttcttatt ttcttctccc tcctatgagt gtgttttagat tagtttatca 300
aaacaggacc aatatctaac agtgaccagt gcagcaagca tcaatgtaga tatggagaaa 360
atcagaacat attatcttat gcttcacgt 389

<210> 26004
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26004

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gccccacatt atttccatga cacaatgca aaaatgatga tttggaaatt ttatgcaaaa 120
ctggtcatgc atgcacctat gtggacgctc aactgtcaaa tttctatggc catgtgatac 180
tagggctcag gattcatttc ctctattttt agtcaacca atgtttcaa aatatgtcct 240
tttatcaatt tgtgcattca tacgagtcca tttcgggctg ctggggaaat tttcacagca 300
ttcacccttc aggtgtatac acattttttt aaaaactagt tatgatcaat gaattntttt 360
ttcaaagaga agatggaaat catctctttt caaaagcatg tcggttttta gctagacaac 420
ttattttctc ttttt 435

<210> 26005
<211> 464

<212> DNA
<213> Glycine max

<400> 26005

aaaattgtgc gtcgaagatc accggattca agctagcacc cgggatgcat acagtcgacc 60
tgccctgcatg catgttagtt tgccaggaac ggaggacaga gcgcgagtaa acataatacc 120
agcacgccgc gagaggacag atccactcga cgaggctctga acgcgaagaa acaataactc 180
ctatgacacg acgctggcgg tcgcggtgga cgaagaacat gactgacgat gaatagcaat 240
gcttgactgg ctgaagacat tactaacata gtcgctcatt attgcaacat atggatgcat 300
gaacttgatc aaaaggccaa tagagatgct gcatacacta gctggctgct cctagcagca 360
gacttggtac aatgcttgac atgaaggacg gaaggccata ctcttatact gatgacgaat 420
gtacactgag atcagtcact actagaactc ttttctaccg gaag 464

<210> 26006
<211> 395
<212> DNA
<213> Glycine max

<400> 26006

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gctaagtatg tctacatcag tgccacttct ataaacgctt catcttttgc tttatcttta 120
ctaaaacgct atcagaaaaa tgtcttataaa tccaggaagt tcaatgcata ccatttgatg 180
tgaagagtaa atcacttaat caaaacagta aatgattcaa actaacgaat aagggtggcg 240
aggaggataa gaaagagaaa aatgaggaaa atattgagga taggatctct cttgtcaaca 300
aatagctaac aagctaagac tatacagttc tcgattaaaa aaataagtga atacagatta 360
ggctatatat gatatatgac ggacacgac tttta 395

<210> 26007
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all r locations
<400> 26007

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tatctctctc cttagacatt acttcataaa tcccaatggg ggtaatgtgt gaaaatgtgt 120
gccacacgcg gtgaccaaatt ttcaaaaaga gccgacgttt aacgagtcta tgatcataga 180
tttactagaa cagatatgag tgtatgcaag aaaaaaaagg attttgggag aggaagaaga 240
cccaacatgt gtgacagaaa tagagagcag actgtcagta gcgatatata tgaactactg 300
cgatgctaga aggcctatat gtctggctga gtactatgag cttatcatcn atcctatat 359

<210> 26008
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26008

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cctaattgta actatcttga agatatactt ctagtggcct atagttggga gtgtgagtag 120
taaaacacaa tgtgtcttgg agagagaact cttgttcaact taagtcatac tcgtttatgg 180
agaatagtta ctaatgttca atttcacacg gcaatcatct ttaatgttgc aaatgtattt 240
tctatcatga ttatgcccatt acttagcaaa acttagtgct tgtctaaggc aaaagtatga 300
actgaacaat attacatatt gagttgctgc tatattattt tgggtgaagca ttatcaggaa 360
gattacaaac atcctctgct taaaagttca ttagctatga gtatttatta ccgtagtctt 420
ctt 423

<210> 26009
<211> 379
<212> DNA
<213> Glycine max

<400> 26009

agtttatgct gcaaacatth ataatagacc ccttcagcag caaaatcaac aacaacagaa 60
taataatgat ctttcaagca acagatgcaa tccaggttgg aggaatcatc caaatatgag 120
atgggcaagt aagtcatatg ttctctctcc aatgcagcaa taacaaagac aacaagcaac 180
tgaggcacct cctcaacctt ccttagaaga gttagtgagg caaatgacaa tccagaatat 240
gcaatttcaa caagagacaa gagctccatt cagagtacga caaatcaaatt ggggcatatg 300
gtactcagt tgaaccaagc tcagtcctaa aattctgaca aattgccttc acagactgtg 360

cagaatccga aaaatgtga

379

<210> 26010
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26010

ntgagccaaa atcctgactc accatatact ttgactctgg tgagaatgtc aattcttacc 60
ctcgggaagca aaaaaaaagg ggagagggaa aattttccaat caaagaggaa gcaaaaaagg 120
agagaaggaa aattttccaat caaaggaaaa aaagagagga aaggggaattc ccaatcaaag 180
agtgggagaa agcaaaaaga aaagaaagaa aattcccaat caaagaatgg gagaaagaaa 240
aaagagaaga agaaagggaa gaaagttccc gatcaaaaaa aataatatgc agaaaggtct 300
ttggaccgga caatatctga acaatacaga attgtcacca aatgaataaa aagaaggaaa 360
gggaaccatg acctanaatg gtcttcccc tttagttgcc aggcaaaatc ttgtg 415

<210> 26011
<211> 345
<212> DNA
<213> Glycine max

<400> 26011

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tcaaattgatt ttttaatagc catcaaaagt ctatttatat atgacttaga acacaaattt 120
gcttagagtt tttcagaaca aaaaggtctt attctctcaa aagcaaaatc atcttatcct 180
cttagaaatt ccttggccaa tacgcttgca attcaataag aaattattag agcgctcaat 240
tgttcaatct atctctttca agagatatatt cttcttctct tcattcttatt tcaaaaaagg 300
gattaagaga ccgaggggtct cttgttgtaa agcaatatga acaca 345

<210> 26012
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26012

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 gttttgttta ctttttatac cccctgttga cgtgcttaag ccattttact taagtcattt 120
 ctcgcttaac ttaaaaataa aataaatttc caccgaacgt ttgaattgta ttatccatta 180
 acttcggtta aatcaattc cgaccgttcg gtcgtgccgt aaccacgttg gaaatcaaaa 240
 agaggtaaaa aataatataa taatcaaaaa aatatctttt agtaaaataa agcggaaaaat 300
 caatcggacg ttttctcttt gggattcctc attcttaatc gaattgatta ataactaaag 360
 tgaaactaag gctaanatca actcgcctag tcaagctcgt ccacaaaaaa taggcttttg 420
 aagttc 426

<210> 26013
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26013

agtttttagcc ttangtaaac atgttgctca tgttgctccc cttatctctc acatgtattt 60
 cggttttctg ataaagaaaa atctaaccct ccctttggaa ggaaagttgt ggtattacga 120
 ggagatttta gaaaaatact tccaatcatt ccaaaagaaa gaagataagg tgttgttcat 180
 gctagcatta attcataata ttttttgcct ttatgtaagg ttcttacttt aacaaaaaat 240
 atgagtcctc aatcaaggtc ttctaataaa catgtttctc aattgaaaga atttgtaaat 300
 tgggtggttg atattggaaa tgaaactatt ggtgagattc atgacaaaga aaatgccatn 360
 gacattccat cttata 376

<210> 26014
 <211> 414
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26014

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 tatgcttggt gtaggaacct atgattctat gtatgattat agtgtggtcc ttcttgagaga 120
 gcttgagacc ttgttttcca tgcttaagggt acccttttcg gttgtctccc ttctattggt 180

gacttggtgt ggtggtaagg aacccttctc ctccccctt catcttcatt ttcgtgctcc 240
 ttcatggagt acctttgggg gctcataaaa gtgcttggtg ttgagggttt aatggtgatt 300
 cttcttggtc ttagggctta cgtgtttttg tttggtgtgt gttgttggtta acgtggagga 360
 tattaagccc tcactttgga cccaaagatt tctccttttc actttcttat tctc 414

<210> 26015
 <211> 187
 <212> DNA
 <213> Glycine max

<400> 26015

taagaagaat cacatcggtt atgtgataga caatttgatt tattgagttc aacagctgag 60
 gggcgtcaca tttattatca agggaatcgg ctggagtaga aatgtgtgca ctttgccaaa 120
 agtcatctaa tctgactcat gtagcataat gatgaagatt gcaatagccg taagttctta 180
 atagtgt 187

<210> 26016
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26016

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 tcttcttggt ctcgggattc cacatcatct gactctttca ttatgtgtgc tagctcttct 120
 tccatagttt aagaaaatta tcagaaggaa ttgtttttta aagagggaga agagacagcc 180
 cgtgcatata tatatgcgca ctttttttat aatcgatcgt tatgaaagga actggggaca 240
 agacgagaag agacgattta gcttctttga caacatacaa gattgaattc gngagaaata 300
 ctggattgaa ctatcacata atacaatata atacgagatt acaaaaccaa ctttgagtgt 360
 aactagacta aagaaagatg agatcgatgg c 391

<210> 26017
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 26017

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agctcggacc cgggatcctt acagtcacct gccgcatgca ttcagctttc tatactatcc 60
accaaact ggcgtgtttc tgtctcggcc taaatttaag gaggactgca gcaccgggta 120
tccttcccta actgtactgg atgcggatgc catggcttta tcctctatag ctttctggag 180
aattaacatg accttcgaga tggaatccat ctgatcgttt aaggccgata gatcggcctt 240
catcagaagc tgcacgcact attacttatg catttcactg gatcgagtgt catatccggc 300
gcctttgtgc tttcttagtt atgatgaaat tccagttgaa ataaacaact gtgagtatgc 360
caccaaaaca tgaatatgca aatgaatgat cagagcactt ggatccacc 409

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<210> 26018
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 26018

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tgcttgagaa gcttctatga aggctggatc tttgtttgct atgaggtcct tcaatgggtga 60
ttgtcaatca tggagatgca gcggaagata aaggagaaga ggtgagagga ggtgtgtcat 120
ccactaggga ataagccatg gaaggaggag cttcaccacc aagagtgcct tggataataa 180
gcttagagag ggagcttcaa ttgacgaaag gaatgagaga aatagaggga gagaagttga 240
actttgaagt gtgtgactca caagactctc attcatcaca gttatgacaa gcgttacaca 300
tgtttctatt tatagcctaa gtcacaaaact atatgaaagc ttccttgaga agcttccatg 360
agaagtgaga gcttagctac acacaccctc tctaatagct 400

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<210> 26019
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26019

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agtttgttcc acttcacgtc tataatatga atgtagcata tagatccaaa gacccttacg 60
tgctttgctg atggcttctt accgttccaa gcttcaattg gggctttgtc ttttatagac 120
ttagttggac atctgttgag tatgtaaata gcagtgtaga ctgtttcatc ccataatgtg 180
ttaagtagtc ctttctcctt gagcatgat ctagccattt ccataactgt gcgattcttt 240

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ctctcggaca ctccattgtg ttgaggagaa tatgcgactg taagttgtca ctcaatgcct 300
 tcatectcac aaaatctttc aaactcgca gaggtgtact cnttgccgtg atcacttctt 360
 agtactttta tccgttttcc ac 382

<210> 26020
 <211> 420
 <212> DNA
 <213> Glycine max

<400> 26020

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 atacgcacag gtcggttgg gggtgcacca cctcgggaaa ggagactggt agattcttcc 120
 tagggtcacc actgccaact ggtagcgat tagggatggc aacaagtccc cgtatgacat 180
 cggaattggc aaaaactcca gaagcttctt cactagaggg ttcctccctg gattggaact 240
 tgtgccatga ttgaaatcac cgggtgggacg aggccttgta ggagccgagg cttgagcagg 300
 ggctctttgt gatggggcag atgacctttg ctggatgggt gccgaattgg aggggtttcc 360
 ggcataggcc aaaaagcttg gatggtgcta ggcatattga tgagtattgt gaggtgttga 420

<210> 26021
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26021

agcttttatt tagatccact aaactcttgg tcacatttat ctttgttggg gaatctaaag 60
 aaaaaaaaaa gagatgagac ggatcagatc taacatttta tggttctgaa ttcgtgtgac 120
 agatacgata tcaagttgaa tgatgtgatt ctccccgaga gctgatgaga atcctgaaaa 180
 tggccaaata caggctaaag gcccaagtgg agaaggacga aggcccaagt ggagaaggac 240
 gaaggcccaa gtggagaagg acaaagcccc cgagtggaga aggatgaagg cccaagtgga 300
 gaaggataaa ggcctagagg cagagacatt atcaagacta ttaattgttg ttgaaggccc 360
 agattaattt gaaggcccat aataaatatg ttc 393

<210> 26022
 <211> 412

<212> DNA
 <213> Glycine max
 <400> 26022
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 tcaaaagatt tgaagtttgt ttgctcactg actaattctt aattgcctta tagacggata 120
 tgaaatctaa gctctagtat tttctcttta catatacaaa gtgttttgaa agcggttcaa 180
 actttacaag aatatacaaa aggctttata caaaaataat ttgaatgata gcgtgtaagt 240
 tcatgtcttg gttccttaaa gtttctagta tttataggct ttagtgtcta ttgtctctaa 300
 atggatagat ttcttcactt gagcttgcct atgaagattg tggccattga agcatttaaat 360
 ttttgtatta aatgctcata cttcttcatt ttggaaaatc actcttggtta gc 412

<210> 26023
 <211> 379
 <212> DNA
 <213> Glycine max
 <400> 26023
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 ggagatttta gaaaaatact tccaatcatt ccaaaagaaa gaagataagg tgttggtcat 180
 gctagcatta attcataata ttttttgcct ttatgtaagg ttcttacttt aacaaaaaat 240
 atgagtcttc aatcaaggct ttctaataaa catgtttctc aattgaaaga atctgtaaat 300
 tgggtgttgg atattggaaa tgaaactatt ggtgagattc atgacaaaaga acatgccatt 360
 gacattccat cttatatgc 379

<210> 26024
 <211> 305
 <212> DNA
 <213> Glycine max
 <400> 26024
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 cttgagacct tgatttccat gcttaacgga cccttttcgg ttgtctacct tctataggtg 180

acttgttgtg gtggttaagga acccttctac ttaccctttc atcttaattt tcgtgctccc 240
 tcatggagta cctttggggg ctcataaacg tgcttggtgc tgaggttata atgttgattc 300
 ttctt 305

<210> 26025
 <211> 379
 <212> DNA
 <213> Glycine max

<400> 26025

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 atcatcaatc atctttgaat catctatctt tcaatcttct ttcaacattc ttcaatcaat 120
 cttttcaact ctttctacag aattttcgga ttcatcttct cttcatcttt cttcaagttt 180
 ttgttcaata ctttctcttt caagaaaagt tttttgataa aaaacttgtg ctattcatct 240
 ttttcattct cttctcctcc atgtcggcct tcatctgcct ttgcacctcc tgaattcttt 300
 tgtgtctctc ttctccctta caaaagattc agaggactaa cgcctgaga attcttttga 360
 atcttacttt ccccttaag 379

<210> 26026
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26026

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 tgaagccgag cctttctagc aatggggcct agggaccgat atgatgattg gtttaggtag 120
 ggcggccggc ctactacggg cacctgtagg gattagtgtc tgagaccgcg atccacaaaa 180
 gcatgggact caccctttac ttgggaatga agaggggaaa gatagcatgt cacaagagcg 240
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 aggccttttg gcgaagccaa gtcaatttcg ggccaccaa ccttgcaact gatgagaagg 360
 cctatggagt aaagggaagc gtgtacgttg tcacactccc tgccttcaaa aggtgcctag 420
 aggacggggc an 432

<210> 26027
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26027

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 tgtaccttca aaacttgaac tttcaacccg agtgcacata cttgatctaa aagatactgt 120
 cataccctaa tttcgtccgg ggattattat ttgatgatat acaacctttg attggccgct 180
 tcaagatact atgcaccctt ttttgcacaa tatgtgaagt cccgagacgt gccgaaaatc 240
 aaaaggaagc aggcttacgc gatctgtgaa aattccataa tgtgacggaa atcgaaagca 300
 ggtgtttttc gcaatccgtg agttttcata acttcttcga aagctaaaaa agagtaaata 360
 cataatccgt aaggattcgt aaccttgc 388

<210> 26028
 <211> 433
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26028

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 tatacttata gcaaccttat tatcacaaaa caattgcata gggggaactt tggtctttca 120
 agctctttta gacatgtttc agccataaga cctcacatac tccttgagtc attaataataa 180
 actcagtttt agcattactc ctatcaacta taacaccctg atatatatat atatatatat 240
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 tgttgtttta tccttgatta ttttttagga ggtgagttta gttattagaa gtatgttagt 360
 agttaaagca ttagcttctc atagaagcct ctcgagacag cttctcanag aagccatgag 420
 gaagcttctc gag 433

<210> 26029
 <211> 231
 <212> DNA
 <213> Glycine max

<400> 26029

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atgttatcaa gacgctcgga attgaacacg gatgctatga gaatgatcaa acgacgataa 120
ttcttaactc agatgaacga ttgagatcct tcctatatca gacgctacat acttgaaatg 180
gccagctact ggctaattgc cccgacggta aatgacgact gccctggccg a 231

<210> 26030
<211> 334
<212> DNA
<213> Glycine max

<400> 26030

taataagagg catgctaagt gggtagagtt tttagtcaa tttccatatg tcatcaaaca 60
taaaaagggg aaagggaaatg tagtggctga tgcactgtct aggagacatg ctttacttgc 120
tatgcttgaa actaaactgt ttgggtctga gtctttgaaa gacatgtatg tgcattgatg 180
ggactttgct gaaatttttg ctgcatgtga aaagttttct gaaaatgggt actataggca 240
taatggattc ttgtttaaag caaataaatt gtgtgtgcct aagtgttcca ttagagagtt 300
gcttgtgagt gaatcacatg aggggggggt gatg 334

<210> 26031
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26031

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gtggtacctg gagatatgtc gcgggggtca ggagaccttg gggacgtcag gtgggggtgct 120
attgcccaaa accaagcttg accaatcccc acccaacccg ggcatagtca gtcagtgaga 180
acctgtgatg tacctaaaca ggcgagctcc tggaagtcaa tcgataaaag aacaaagacc 240
acaaagcaag gaggcttggtg tgggtggctgg ccagctgtga atcttgagt atatatggga 300
tagggcctct ggtaatcgat taccgagggg gggtagtcga ttacaaggct tanaagtga 360
gacaggaagc taagat 376

<210> 26032

<211> 413
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26032

 tcagaccaca acaacacaaa atctatgtat tcaaattccc tcaattttaat ggatttttcaa 60
 ggtttgagaa gtgaaattga gaatgaggta aatttggagc aaactctcac ctcacacaag 120
 tctataacat caatttaaac ttgctcaaac tggatttaca cctaaaattc caccgaatca 180
 aaatttgact cctcaacacc caattttacc ctagaaatgg ctctttgttc actttgggtca 240
 tttgtttttc tctcttgtac agcccaagct ttctcataag tcctaaatga catttcaagc 300
 taggattaac tcactttaac ctccaaatgc cactaaatcc agatttggcc ttccaactct 360
 caaacctca ctctntntcc actcataaca ccatattctc actttctaac cct 413

<210> 26033
 <211> 280
 <212> DNA
 <213> Glycine max

 <400> 26033

 agtttgcct agtgcatagg ggactgtgct aagcctaaat tcttgactg agtgcaagaa 60
 gtggactttg gcttagcgca acaggctcgc taagcgtgat ttgcagggtta taaatacggt 120
 tttagcatga aaaacacgat ttttactct cctcttctcc aaaatgccac ccaaacccta 180
 aaacctcatt ttccaccacc caagaccatc ggtggcgcgc gttgcttgcc gttggacccc 240
 cacaccaaga gaaacacttt aatcgaagcg gaatcctcag 280

<210> 26034
 <211> 424
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26034

 tggctaaact tttattggac tnttcctctc ttttaattgag nngagccaaa cactctttat 60
 ataaaattat ttttttaa ataaacgttg tgtaactttg ttcattaaag ttcattggat 120
 tgttaagact ttttattggt gctgctactc ctactattat tgttcctcct cctaccgtcg 180

ttgctaattc tactgctact taacgattat gttagaacct tttttatfff gaatffftta 240
 cagaagttff taaaggaatt ctacttaaag attatgftag aacctffftcc atffftgaatt 300
 tfffttgcaga atfffttgaag gcattaaaaa ttcattcftff gtggtatata tgcagaacaa 360
 gacctatgta tatgaatata gagttgtcat ccactatcac aaaatcatgt cttcftffftct 420
 aaac 424

<210> 26035
 <211> 378
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26035

agtttgaact gntaatfftat tcctatcctg aagtttcttg actactffftt tctgftccag 60
 caatffftgtt tttattcaaa gcagttffftat tattaagtag tatatatatt tgctcaccac 120
 cactggccac aaacaattag catatctgtc tacactactt gccatgccct atatctcgcc 180
 gtggaaacgt ggaaaaagaa aaactatffft cagcattcaa cttccagcaa atatatataa 240
 tttcattacc agcatgtgtt actgaaggag atttaaggga aaagagggtc aggttctgat 300
 cattttggaa gattagctff ggtttgaaag attgtgctaa gattatgtcc attcaagctc 360
 agtggtatcc aaataata 378

<210> 26036
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26036

tgaacttagg tgtttggttg gaaatgactt gttntffftt tntncttata ctatggaaaa 60
 atgattcgac ttgtttaaac acctagtaaa tagcacgaaa tacatfffttg tgaactcaat 120
 tcagtaactc gcaacatgtg aagtcaattc agtagctffft ttaacgtata agagggtgag 180
 ggattgtgct atgttacaac ttctccgtga tgftcatcft tfttaattga tfttccaact 240
 catcatgagt cacctatgaa acaataaggc attctctgta gtaatgtagt taatgaagca 300
 tctfffttctaa agaatggtat aagaacagtc tcaatgttat gaagcaaatc ctttggttg 360

cttgtagtc tttgatgctc gacttaactt ctg

393

<210> 26037
<211> 225
<212> DNA
<213> Glycine max

<400> 26037

cccgggatcc tcttagtcac ctgatgctgc aactttttta ttaacacaat cttcaaccat 60
gttgaaaggt ccaaaggcct acatttttgt gtgtttgact tcaaaagcaa atatagaatc 120
tttgagaacc tattgccaat gctctcttaa aactctggga atacacttgc aaatctattg 180
agaattcatt cacaagactc aatttggatc atccactcta aatga 225

<210> 26038
<211> 394
<212> DNA
<213> Glycine max

<400> 26038

tttcttagtc ttgtatttta aggatgattt ttggacaatt ggatctaatt aggacaattc 60
ataattggaa tggctctaaa atttttaa atttcaggga tagatagaaa aaatggcctg 120
gttttgggtac taaagaactg taattgtagt ttgataagta aaagttatta aagtgggtat 180
atatatatat atatatatat atatatatat atatatatat atatatatat atatatatat 240
atatatatat atatatatat agctaaaaat agaattctct tataattgga taaattttat 300
atgaattcta ttatatctaa aagaatgaaa attaatgaat agcaatgatt gtctacatg 360
atttgtatag atacacatat atattattta tttag 394

<210> 26039
<211> 273
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26039

ttttcacaat atttaccac aacatgagaa tcatagtatg gggttggtnt gagaaaatgc 60
tcaggatttg tggtgcttgc aataatgatt ttaaccagg cattatgtac atgtacatct 120
tggattcctt cacttacaag atgtccaag aattgagtan caagcggaga cgattcctat 180

gcataanaaa ttaaattgaga aataaacatg gcaatgatag tggagatgaa agctagagag 240
 aaaactagca cacctcttct cacttcttc aac 273

<210> 26040
 <211> 356
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26040

agttttttct cttgcctcct atggnggaga gcttcttcta gactcatctt ctccttgaag 60
 tggcgtctcc tctctctctt cctttctcca ttccgctgcc attcatcttc caagaagcaa 120
 aggaatccat tgatgaagaa gatcctaggc ctacaagctc caatggagct tgcacacat 180
 tattaccaa gcattaggaa ggcacatcaatt tcagatattg cttggcaagc tgggcattcg 240
 taatcctcat gcaccacctt gagggggggg gggtaatacc gtatattcca atggctgtat 300
 tcaaggcata atcatctgga tcgttctgca tgggttaact aatatgttat tccctt 356

<210> 26041
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26041

gggttgacct gaatactgac cctaaaattg aacttcttag acgcccattc ctaatttctc 60
 tacaattgta tcacctctca atgattttgt gaagaagtat gtggcattta cctgggggtga 120
 aaagcaagaa caagcctttg ctttgctcaa agaaaagctt actaaggcac ttggtctagc 180
 tcttcctgac ttttctaaaa catttgagct agaattgtat gcctctggaa ggggaattgg 240
 agctgtattg ttacaaagtg ggcaccctat tgcttatttt agtgaaaaac ttcattattgc 300
 caccctcaac taccacacct atgataaaga actctatgcc ttaataagag cctccatac 360
 ttgagaacaa tacccttggt tcgaacgaat ttgtcattca tagtgatcat tactcactta 420
 agtacatctg agggataacc aacattaaca tgaggcttgc gaaatgggtn gagacctaga 480
 gagatt 486

<210> 26042
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26042

atcttatttc gttgtntgct aatggagacg acgcaataga ccttacatgg catgcaaattg 60
 ggagaaaactg cgatggaatg ctccgtcatc tggctgattc ctgcagtgga aagaagattg 120
 atcgttttgta tccggatatc agcaaagagg aaagaaatct tatgcttgga gtagctagt 180
 atggaatgaa tccatatggc agtttaagca tgcaacacag ttcattggcca gttntgctag 240
 taatttaciaa tttgcctccc tgggtgtgca taaagcgaaa atacatgatg ttgtctatga 300
 tgatatcagg cccaagacaa ccatgaaatg acattgatgt ttatctaact ccgttgattg 360
 aagacttgac taagttatgg gagat 385

<210> 26043
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26043

agctcagtan cttttatgaa atncgaagac ttcagcaaga aataattgag aattgtggtg 60
 gaatcaccac aaccggaata ccaatgctcc aattcgatga agaattgatg acagaggaga 120
 ctataaaactc tgttattcgc attaatgtcc cctttatttc gtacgaatga gtctgattgt 180
 aagtgttgct ttgtggcggg ttattagatt nttttaaatc attccgttgt ttagtgtggg 240
 ttaataattg taattttttt ttattcctaa gtgaagttat tcgacgtcat tatgatgagt 300
 tgcgaaacaa aggtttaata ttatttattt nttaataaac ataactactt ggtacctgtt 360
 attcgttgtt acctaaattt gcaaatgata catg 394

<210> 26044
 <211> 497
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26044

gggcccatga tacttgcat ctggaacata gaaactgaag ctttcgcan gcactaagag 60
 agagaaatga gcatggttta taagaagctc tctgtatcca ctaccatttt aaattatcat 120
 tgatcagaaa ttattgttta gaaacaatta gattagcctt gtttttattt aataaaaaat 180
 ataactatat atatatatat atatatatat atatatatat atatatatat 240
 atatatatat agaaagatgt gtatatgatg tgaagctgta cctaacatat gcattaatta 300
 accctctaga cggaacacag agaggaattg gctggctgct tcatctttan attatatatt 360
 ctttaattgac caccaaacga agaagatgtg tatatcattc tagtacaaga cacacttttc 420
 gaccacctg tctgttgcta ttaacaaata gacacagagt gaataatggt gactttcttt 480
 tgtatagcta aaaaaag 497

<210> 26045
 <211> 520
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26045

gaggannttt gatgagtcnt tgacnancaa gggaattcag ctcggaccgc gggatcctct 60
 agagtcngat cctgcanggc atgctatacc tgattaatgt tggaattngg cagcgagaat 120
 tattgaagaa aaggtggaca ccaaattgga ataaagccat caccgagcag gaatatatta 180
 tatgtaagaa accatttggt aatacaaaac taaattaatg aaccactcat aaagatacag 240
 gcattatcac tagtatggaa atgcgtgtat tgaaatacaa tgccatacag aaaatcgagt 300
 atttgaaacc acaaaccaaa taaatatgca gaaaggtgta ctactacgat taacactcat 360
 tttagacact tgtaaccacc aataaatgaa tctgccaccc aagtagtact catccataaa 420
 tgcagtccaa gaccttatag acaatgataa tctcaccat tatgtcacia cttaagcttc 480
 catcacaaca ctctattgt ggtaactata tgttgtctcg 520

<210> 26046
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26046

tgctttcntt tcctctcttt ttcattgtgt atttctaccc tgtcattcat taagctttgt 60
 aattgatcct caacctcatg ccttaacttt gaaaaaacct ccatttctga atcaatagca 120
 gctcgctcct tagtcaatgc aagggttatct tcttctctct cagctcttaa cctttccaac 180
 tcaagtcttg cctcctcagc cattctttca acagcactga tcttttccct ctctatgaaa 240
 agtccttgct caaaacttgc attgatatcc ttctctactt gagctactaa agcactatgc 300
 gcagcaacag cattttcagc aacagattct gcttcaatgc gtgcaagctc ttactaact 360
 atttcagaag catctccagt agcta 385

<210> 26047
 <211> 307
 <212> DNA
 <213> Glycine max

<400> 26047
 atcatgcccg acaacagcat ctatgacaag acctttatca tcatagctct aaaacataaa 60
 acagcatttt ctttctcatg taaagaattc aagctgaaat aattctcagt gggagcacia 120
 acacaagtat aaatgtctct tttaactttg agtcattcgt aaccagtcaa aaggaaaaga 180
 aacaagaaat tcattgttta tgtgtggtca agtgcgaaaa aaaattcaac attatttcat 240
 accgagacaa tcattctatc catatcctca ttccaccaca tatgagtgtc ctataatgat 300
 ttaaatt 307

<210> 26048
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26048

ttactttata ttgttctcc ttaagattga atgttcatat ttggagacat gtctttgagt 60
 tgggtttgaa ggccaacttt agaaagaaag ggggccattt tgtaagttt aactttcacc 120
 ccacgtata aacttatggg ggggtttttat tgggtctcaat ggggttttgtt attgatacat 180
 ataattcttc aaagttttaa aactattcat ttccaaaaag cattatggaa tcatgcacta 240
 ctaaaaatac tattttttat gacacgggat ttaagtcagt catagaaaac cgtcttttgt 300
 tatatcagag tggcaaatnt gtaaattattg ttaacatttt aaaaacaatt ttggaaaacc 360

gccatggaat gcttcagaac aaagacgatc 390

<210> 26049
<211> 346
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26049

gatttacctt gaaatggaag aatgccccaa tttggttcct actaaataga gtgaacatac 60
aatgtcatgt ttcatcatta tggactttga aaaggcgtat gattcagttt cctgggggctt 120
tctanataac atgttgatga ggattggaat tttgtgaaag atggaggaaa tggataaatg 180
gttatatgtc tatcgcaatt gtatccattt taattaatgg gcgtcccact acggaggggtg 240
atcacctaag agaggcttaa tgcanggtga tcccctacca cctttgtctt tcaatataat 300
agtggatagc cttacatggt tgatgaacat aaccatatct aacaac 346

<210> 26050
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26050

tagcttgtgg tttatgggtg agagatcaag ggcattggaca tggcgaact aagtaagctc 60
cgccaattgc accctcaatg caaacttcac gacctaaagt tgcaactcca gaacaagact 120
cacgtatact tttggtgctt acctatttac cctagtgcac agtcaccacc attgtggatc 180
ctttgtaaac ggtatcactt aaaaaaatt ggaatggtgt aagaagaaat ttgatgaaaa 240
ttaactgatt taattgtaac ctaatgtaaa aattattcac accatttaact aataaaagtt 300
atctatgca tggcttttaa gataattagc tataaggctt aaaatntata tatatatata 360
tatatatata tacatataac c 381

<210> 26051
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26051

tgcattangg ctgctgggtct tctcgctctc ttctcctacg ctcttttagca cagacaacat 60
gttctttccgg aaggaccgca caagtggcca acccaccacc tgcgtcctac acatttcaac 120
tcatcaatat cactttatat attatgatca attaatacgc atcatgaaca tatatggtaa 180
tcatataacg aagttaaaat aagttaattg attatatata gaagaacgta cgttcttaggt 240
gactttgaag tattagctga ttagttatca gagacaatta tataattggg ggtggctgag 300
agccatataa gcttgcataa aaataaagat taattaaaca cgtaaaagac tttgtttcta 360
atztatgcta atccaaggcc accctccttt atatatcttt aaaatgactc attgttatat 420
tact 424

<210> 26052

<211> 395

<212> DNA

<213> Glycine max

<400> 26052

tctgctttat tacagctttg atactctccc ttgaggttgc accctcaggc cagtccaatc 60
tacccttctt aacatacttc tcagcatgtc ggctaaacat ttgcatgaca caatacatac 120
ttatttatca tattttaagg atcaatcaat tgagattaag ttcgcatggt atgtcactta 180
ctcgactctc ttcaacatgg gctgtggtaa tggaccaagt accctttcca tcatggcaag 240
atgctccaaa ttttcgtgag tctgaaacaa agctccgccc tgtaatataa attcacaaat 300
tatggaatag aatctaagag atggataaat actgttttta tacaggatth gagagagcca 360
aacataccgt gcataactca accaagatac atccc 395

<210> 26053

<211> 392

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26053

tgcntttttt agaggaatat aacttaactt tttattccat gaatcaaact tttcttttac 60
taaataaaaa agttaaagag ttaaatgatt atatcctgat attataaaat caatttccat 120
taccattcag tcacaaataa ctatttcatg aataaaatta gtgctggaac atgatacaaa 180

tacctcgcta caacattcct gcataggttc ttactgcag cagtcctgca aagtccacac 240
 tgcgagatat gaaaacagta aatcagtcag gagcctcatt cctgtctgtc cccactgcag 300
 cgaggtcttt gtatcctgag tangtgtgcg atggcaagaa acataaattt ccaataaatt 360
 ccagaatnta acacattctg gaaactaatt tg 392

<210> 26054
 <211> 344
 <212> DNA
 <213> Glycine max

<400> 26054

ctcatttttag cttgtttatg gagcttctat ggaggctgga tctttgagct tcaatgaggt 60
 ctttcaatgg tgatttttca ctatggagat gcagttgaag gcaatagaga atacgagagg 120
 ggaggcacca tgcactaagg aataatccta ggaagaaaga gcttcaccac caagaattgc 180
 cttggataag aagcttgaag aggatgcttt catggatgaa aagacagaga gaatgtggga 240
 gcacgaatat gaacgaataa aagagggaaa gaagtggaac tttgaagtat atctcataag 300
 actttcattc atcagagtta caacaagtgt tacacatgct tcta 344

<210> 26055
 <211> 223
 <212> DNA
 <213> Glycine max

<400> 26055

cgctgggtga agatctacac agaccacatg gtgtgccatc agtttcttct attttctaaa 60
 ccctttatgc accattctaa ttactgattg gtcttaattg acaattaatt actgcggtgc 120
 attatgtggg ctcatctacc tcatctgatg ctttcaatct aatctcacga cttaatgaaa 180
 cattgagctt aatccggatt ttggatgggg acttgaagag ggc 223

<210> 26056
 <211> 328
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26056

taagcttaag aaatctctnt atggacttaa acatgcaccg atgcaatggg atggtagact 60
tagaaacttc cttcttgaac aaaaatttga gagaggaaaa gttgataaaa cacatttcat 120
taaaaagttc tctcataaca ttttactcat gtaagtttat atggatgaca tcatttttgg 180
ttctactaat cgatctcttt gtgaagattt tgtacacaag atgcaggagg agtttgaaat 240
gccaataatg ggggggggga ttaaattact ttcttggctc ctatgtgaag aaaaattgac 300
catgaacatt tttctatcaa acaaagta 328

<210> 26057
<211> 592
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26057

tgtcctcggt attatatact ctgcctaant ccgtatatct actgtgtcta tctcacantt 60
cctatatcca gtggtacaat tgactcctat aaacccttag acccggttga ttttgaatcg 120
ctactattca gngcncata gatactcagc ttttaaagga catggagtga attcaaatga 180
gtaattgaaa tttttggtaa cgaaaatggg attaatacata taatttccac ttcaagaact 240
cctccacaca aaggggaaat ngtgtgagaa ccgaaaaaat agaactcttct ttgaggaaat 300
tanccaagaa accaatggct ataatacaaaa actatctacc ctaaatattt tttgggcaaa 360
tgcagtaaata acaaattttc tatgttctta ataaaagtga ttataaagaa cactctttga 420
aattgacacc ccctatgaga tctaccaaag gtagaaaagc canatatatc acatctcatg 480
gtcttctgct tgaaatgctt tgtgttaaca atggtaaaga aatactcggc aagttgatgc 540
aaagcccatg aaagtatttt ctagatactc actactagca agactataga gg 592

<210> 26058
<211> 397
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26058

agcttgtcat cgtgagacat caaaggctag tattttaata aatgtgggta agaaaaattc 60
accaaattga tagagaaaaa tctaaaatca tacatcttag gcaaataagg catgctagcc 120

cccaacatta ttgcattttg attccatctt tggacattca aattggtggt tatttttctt 180
 gttatctttt cctttgcctt agtctaaatt tcaaacttac aattcggtat ctctttcttc 240
 ttttgtttct cctcatttct taataattgg atttgcatca ctttaagtaca accaaagtcc 300
 ctctggattc aacagttgaa cttcaatttc aatctttact acttgtgata aaattangac 360
 acttgtcaat ctattaacaa gtttttggca ctgttga 397

<210> 26059
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 26059

tctaattagg tacatatggg gatcaccact cttaatcaaa accttattgc ataataataa 60
 cacatgccaa aagaattaat aaggatggaa attaaataaa cttgggttatt tatagatcaa 120
 aacaaaattg gttcaagaa aatgagctct cctacaaggc cagacgtag taccttcaac 180
 atctactcaa ccaagcaacc tatacctaca acctccaaaa atatttaaaa gttaacatat 240
 taaagaattg aaacttttca gttttcatag tgaggctga aaaacaaaa atatataaag 300
 tgataggaac taacaaaaaa gaat 324

<210> 26060
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26060

agcttgtttg aggaagtgtga gaagggtgaa acttcctgct tttattcggt gaccacagag 60
 tggtagcttg agatatgtcg cgggggtcag gagaccttg ggacgtcagg tgcggtgcta 120
 ttgccccaaa ccaagcttga ccaatcccga cccaaccgg gcatagtcag tcagtgagaa 180
 cctgtgatgt acctaaacag gcgagctcct agcagtcaac agataaaagg aacaaagacc 240
 acaaagcaag gaggcttgtg tgggtggctgg ccagctatga attttgattg atatatggga 300
 tatggcctct ggtaatcgat taccaagggg gggtaatcga taacaaggct taaaaatgaa 360
 gataggaggc taagatggtc tctggtaatc gatta 395

<210> 26061

<211> 312
 <212> DNA
 <213> Glycine max

<400> 26061

gaatgtgctc aaatatgtgg ggcaattttg ggttggtttc ttgcttgaat aaggtgaatt 60
 aagggtttgt atgggatggc cctaaaccta taatgcattt tgaaacaatg ggacatgcca 120
 cattgtcccc gttctcttgc tattgatgcc taaatgcgcg cccaccaagt gttcggtgaa 180
 atgcctcaat agcattaacg cgtcactttt ataaggaaac aacccatggg gcgttttggg 240
 ttgcacatat tttctatttt ttgggacatg cattcattcc cgaaaaaggc tagagtgatt 300
 gccccacata ta 312

<210> 26062
 <211> 334
 <212> DNA
 <213> Glycine max

<400> 26062

agcttggttc tattatgaga ccatggagga gatgctgacc acctcaaaag actggatagc 60
 ggattctaac gattcttctg cggcttcac ataaagcata caggatgggc agctcaccaa 120
 gatgtcttcc tcgctgaca cgaagaccaa atgccctcc actacgaatt tcaactttag 180
 gtggagcgta aagggcacaa ctcccactga gtggatccac gggcgcccca acagacagct 240
 gtaagggggg ttaatatcca ttatttgga agtgacttga cagggtgtgag ggcctatttg 300
 tactgcgaga tcgatctctc cctaacctct cggc 334

<210> 26063
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26063

gctgggtgca gccatgcctt cccgattttc aattgggaaa ttggcaagtc attgaacgac 60
 ctgaangttt catggcagac acaatgtaat tctttaattt ctaaccctac agctgggtct 120
 aagctctagg agtttctcct tggtatggcg ttatgtcttt tttctatcta agaataata 180
 ataagatctt tccttcactt gttcttgcgc cttcgcttat tgtcattcat ttgcatgttt 240

atttctattg catttaaacg gtacagatcc gacgacgagt cctatgaagt actaataccg 300
aggacccacg cgtaattttg aaagaaaatg aatcacct 338

<210> 26064
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26064

agcttgctcn ctggagtttt ccgactatgc tcttgatgg tggaacaagc tacaaaatga 60
gagagcatga aatgaagagc caatgggtga tacatggacg gagatgaaa agatcatgag 120
gaagcgatat gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaacaaac 180
ccaaggaaac aaggggggtg aggagtatct caaggaaatg gatgtgctca tgattcaagc 240
aaagattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300
tatccngat attgttgagc taccggagtt tgttgaaatg gatgatttgc ttcacaaagc 360
aattcaagta gagcaacaa 379

<210> 26065
<211> 258
<212> DNA
<213> Glycine max

<400> 26065

tacctggata tatgtcgcgg gggatcatgac accttgggga cctcaagtgg ggtgctattg 60
cccaaaacca agcttgacct atcccgacct aaccgggca taatcgggtca gtgagaacct 120
gtgatgtacc taaataagcg agctcctgac agtcaacaga taaaagggaac aaagaccaca 180
tagcaaggag gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg 240
tctctggtaa tcgaatac 258

<210> 26066
<211> 396
<212> DNA
<213> Glycine max

<400> 26066

agttttttta atttttccaaa ctcccttcca aaatccgatt tcaggcttaa ataggtggct 60
 ttgttcgtgc tcgtgcgctt agtgcaattc tgaaccgctt agccgcatta gtgaattttg 120
 gcttagcgcg ggctttttctc gcttagtgaa tggactgcag tgggtgcgctt agcgggatgg 180
 cccttcactc agcgaacatg cacaactcat ccttcttcca gattcttcgt cgcacttagc 240
 cgaggaatgt tgcgctcagc ggatggctca ctaagccagc agattggctt agcgagaggg 300
 ttaaaatcaa cacttcacaa actcgccgaa ttaacgtaaa attgagataa aatgattatt 360
 aaacacacaa aatggaagta ctaagtattt attacc 396

<210> 26067
 <211> 429
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26067

agcccaccat cttttcatag tagatttctg gtaatgtgtc tactatcatt ggcatttttt 60
 tttccgtcat tgagggtttca cttgagctgc caggctcttc cacctttggg cgtattcttt 120
 tgaaagattc gtgccccctt tttgcacatg tttttagtgc gcatcctatc cgaagccatt 180
 atactaacac tgcctaacga aggcaaccac taggtccttc caagaatgga ctcggaagg 240
 ttccaagtta gtgtaccang taacaactac ccagtaaga ctttcttgga aggaatgtat 300
 cagcaattcc tcattctttg cgtatgccn catcttttga taatacatct ntagatgggt 360
 cttggggcaa gtagtcccct tgtacttgtc aaagtctacc accttgaaac ttgggtgggg 420
 tgatgatat 429

<210> 26068
 <211> 368
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26068

atgtgaatat ccaatcttgg tctttacaat gtgtccggca cagaggagaa aataaaagta 60
 cggatgtgag gtgagaaaag aaaagaatct tgcatagaaa aaaacggtag gctgatttat 120
 gagatatata gtgaatataa aattgtgaat atatttagct ganaagaaac acattaaatt 180

attattaaaa atatcattct accttgcacc tattctttaa ttctttgctt atataatatt 240
 gttttttaca catgacgatt atgtatactt gcataatctg cagagtctta caatcagcgg 300
 gttaccttgg aaaacatgaa taaagctttt catttccaca cctttcttca cttatgagag 360
 ttgtaatg 368

<210> 26069
 <211> 387
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26069

ttatctttca ttatatgang tccaagagtt tggaggaagc tattgtaatc attgactcca 60
 tagcagccag tgattatcaa agtcaccatg acagagctcc gactcaaaga aaagttataa 120
 cggagatgga ctcttagagt gcaattctag ctcaaaacaa actcttgaca caacaaattg 180
 aggccttaac aaagcaaata ggccaacttc ctacagcaata tcaccaaggt ggaccataga 240
 aaacacatca agtcaccaa gttcaacaaa ttttgagatg tgatttttgt ggtggtaacc 300
 atcaaaatgg tcactattca acacccagtg atggacaaca agaaatggag gccattatc 360
 ttgtaaacca agtcagacct cgacaaa 387

<210> 26070
 <211> 357
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26070

atatgaaaag atgcaaattt aatcatcctg cttggacgaa tgagaaaact ggggcaaattg 60
 aagaggggtga ggatgatgga ggaacccatg ttgtgattgc cattottata cagtcaagtn 120
 tcccaccaac ccaacaatgt cattacttaa ccaataacaa cccttctcct tacctaccac 180
 ccagttatcc acaaagggtca tacctaaatt aaccacaaaa cccacctacc acacaaccaa 240
 cacgaacacc accttagcc cataccaaaa caccaaccag aaatgaattt tgtagcgaaa 300
 aagcctgtag aattcacccc aattctgggtg tcctatgctg acttgetccc tatctac 357

<210> 26071

<211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26071

ttagccacat atattntatt tttttatcaa tatacaaatt ttaattttat tgcttttata 60
 attttaattt ttgtgtgttt tatcttatta aaaaatactc taagtgtatt atcatagatt 120
 aattgcatgt tgatatagag agataaaaat ttattaaata tgaatagaaa aaagacataa 180
 aataaaaataa taacttcaac ttatttataa aataatatag aataatataa aaaaattatt 240
 acaagactgt aatcttttaa aatatttaag tccctcttag ttgtgggtgt gtcgtcatac 300
 ctccaaacta tgctcagaac tggccctgta taaaataata cgactaagaa atgtgtagtgt 360
 taagtgtgta accaaatgca tatatgataa ctat 394

<210> 26072
 <211> 355
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26072

gacctataaa actcagcttc acatcagacc cttcttgtgt ctggactact ttcattggact 60
 tgatggggcc tatgccagtt gaaagccttg gaggaagag gtatgcctat gttgttgtgg 120
 atgatttctc cagatctacc tgggtcaact ttatcagaga gaaaacagac acctttgaag 180
 tattcaaaga gttgagtcta agacttcaaa ggagaaaaag actgtgtcat caagagaatt 240
 atgagtgacc atggcagaga gnttgaaaac agcaagttta ctgaattctg cacatctgaa 300
 ggcattcactc atgagttctc tacagccatc acaccacaac aaaatggcat agttg 355

<210> 26073
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 26073

tatttctttg ttttagggcc aactaaagca gagaagatgg tagggcccaa ctaaataccc 60
 attacctgtt gtcctctgta aaagtgaata agattattaa taaccaccga ttcattgttg 120

ttctaacaat ttgctaaata aaaaaaatat gttcttggct cgagttgata cttgaagatc 180
 catacttact ctatacaatt tcatatgcat cttattgcgc ctataccaat gaagtaatga 240
 gaggcaacag acatacaact agatatttct gccaccaca tgtttaagct cgacgatgag 300
 attagaattt tctccaatct acaattttca aagatatgac cataaaattc taatctcatc 360
 ctcaaacatg catgac 377

<210> 26074
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 26074

ttagctcatg gatggaatac ttacttggtg gtgatgaaca aaagcgcaa acggaatcaa 60
 aaaatgcaa taaggatgac cctagggctg caaatcgtc aatcccgtgg gtatggcttt 120
 tgaaagggg gaaaagaagt ttttgaatgt aaaaacgcc cccctttcgt cttttttata 180
 atttggtgca ggggtggctc gccaggcat tcctgcttg tttcgcacag agaacggcaa 240
 cgatcggtcg gtcgtgacct catccccgtc tgcgttcac ctttaagtacc tgcaattaat 300
 aaacaaccag gtatggccaa tcttgaccgc atcattacc taccttgatt ggtttctgcc 360
 gttcatggtt tgtctccact cca 383

<210> 26075
 <211> 421
 <212> DNA
 <213> Glycine max

<400> 26075

ttgatggtgt tgagaagatt cacatgtttg tcattatcaa aaagggggtt aatgtgaatg 60
 tatgtataca tgattttgat gatgtcaaat gatgaatcaa acaagactca ttttgcttca 120
 agattaatac aagatttgtt caacaaacaa agccttgatt caagatttct tcaagatcaa 180
 gccttgctc acaatgaaag gtttcaagtc attcaaggca catgtaatcg attaccaata 240
 catgtaatcg attaccaatg gtttgaaatt gtgtaatcga ttacacatca tatgtaatcg 300
 attaccagag actctgaatg ttgggaattc atattttaaa tgaagggtca caactggatc 360
 agaaaaacaa ctatgtaac gattacacta attctgtaat caatcaccag agaggggattt 420

<210> 26076
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26076

agcttgcac ttgataatgt tgcaatttaa gccacacag tggttgcaaa ggagcaacaa 60
 taaaagttaa aaagaactta gataaggtgt agatatcata gttccttgat gatgagtata 120
 tttcatgac agactgacaa ttttgcatg gttatattga gggtttctta tctatctaag 180
 acaaaggcat tagaaaagat ttccttatga tcattaatgc ataaagtgtt taactcttac 240
 aacttgagaa aaggattgac atggatcact tttatcgaa aaaattgtag cactatcaag 300
 acgtaaattg aataatgttg aaagttgaag agacttgggt atttttgttc ttattntggg 360
 atcatatgat gaaattaana tactaagag 389

<210> 26077
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26077

tcaattggag tcttgtcttt tacagactta gttggacac tgttgagtat gtaaacagca 60
 gtgtagactg cttcagccca taatgtgtta ggtagtcctt tctccttgag catcgatcta 120
 gccatctcca taactgtgag attctttctc tcggacactc cattttgttg aggagaatat 180
 gcgactgtaa gttgtctctc aacgccttca tcctaacaaa atctttcaaa ctogtgaaag 240
 gtgtactctt tgccgcgac acttcataga acttttatcc gttttccact ttgattntca 300
 gcaagggcct tgaacttttn gaatactcca nagacttctg attcttcttt tagaaaatat 360
 acccatgtca ttctagagaa gtogtcaatg aagagtat 398

<210> 26078
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 26078

agtttggaga ggatgctnga atggaggaaa agaagagag agagaaagag agagggggga 60
gcacganatt gaaggaagag aaagagagag aagttgaact ttgagttgtg tctcacaaga 120
ctctcattca tcaaagttac aacaagtgtt acacatgttt ctatttatag actaggtagc 180
ttccttgaga agttttctag agaaaacttc cttgagaagc ttctttgaga aaacttcctt 240
gagaagctag agcttagcta cgcacacccc tataataact aagctcactt ccttgagaag 300
cttccttgaa aagattccta aagaagctag agcttagcta cacacacctc tctaatagct 360
aagctcacc ccatgacana atacatg 387

<210> 26079
<211> 489
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26079

gatgagccga ttgacccttt gaannncnng nncnnnnnnn tttgannccc tagacatcag 60
nganctatga nactcagcta ttttatgagg agataaacca tcaaatttat gtccttcagt 120
acaaaaattc ttttgcggtt ttaaatgagg agaggtanga gcctncataa agcgacacac 180
aactcccacc gcatatagaa tatcgggcct tgtattgggt agatacctta nactccccac 240
aagactcttg aagatcgtgg agtctacctt ctctccttca tcaaactntg ataacttcaa 300
gccaccttcc atangtgtgt tcacgggatt gcaatcaagc atattanatt tcttcaacac 360
ttcttttggt tacctttctt gtgagacaaa gataccattc tccgtttgct tcaacttccat 420
tccaagtaa tatgacatga gtcccatatc tgtcatatca nattcacgag acatggactc 480
cttgaagtn 489

<210> 26080
<211> 393
<212> DNA
<213> Glycine max

<400> 26080

agcttttgtc tcttaacaag tgtttccaag agatcaaggc tccggtaatc gattacactg 60

tctggtaatt gattgcaaga agacaatfff gaaaaataga ttttaaaaag ggttttgaat 120
 ttgaatffffg aatcatgtaa tgcattacca gcaacgacac ttcagcaaac actttgaaaa 180
 gacatgaccc ttcaaaatat aactgtgttt tctgtaatcg attactagtg aagaatttca 240
 tataaagctt tttgaaaaga cacatctctt caaaccatff tgaaaaagca caaagggcca 300
 atatatatgt gtgtttgact tgcaaaagaa agagagagat attctaagag aacttaattg 360
 ccaaatgctc tctgaacaac ccttgacaa aca 393

<210> 26081
 <211> 347
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26081

tgtggccgaa caagtataaa tctgagtttg cattttctct tcccttaaac tcctttattg 60
 gttattgggt attgcttatt atttctatff aataaagtta atttgcatta ttatttagga 120
 gtacatfffft aaaaggaatc ttgggttatt gggataaaat caaaataaaa ttttttgatt 180
 aggaaaagat tgtgatatct taattcaacc ccccttctta agatatctga ggccacttgt 240
 ccaacagaga gtcttttgcg cttagagcac aggcgcgctt agcgagagac tatgtcacgc 300
 tcagtgagat aactcaatta gcactatntt taaaaatgca caacctg 347

<210> 26082
 <211> 390
 <212> DNA
 <213> Glycine max
 <400> 26082

agcttgcttt gctatccaga taattaagaa ctaaggaaaa tgcataaaaa ctcatagaat 60
 ttcctctaaa agtctgaaca aaataaaaaa atatgagttt tatggaaaaa caacaatgaa 120
 gcataaaaaa aacacaaaaa attagacaaa aaacgatgat agattaacga ttagagattg 180
 gcgataagca aaaggggctt acacgatcag tatgtatatc ctttgtaacc tttgatggct 240
 tcacgaatct cgttcctgtg gaggaaaacg atgacaaatt attgaaggag atagaaggaa 300
 gggaaaaaag agaggataag agacatgcac aacctcacat attgtattgc aaaaagcggg 360
 tggcttcaac attctgggga aatttcagtt 390

<210> 26083
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26083

tgttcttgga ttttctaag ttctgaacaa gcttatttac aataacttgg tcttctctta 60
 attgtctttg ggcttggcga tcacgatcaa caaagtactt tcggcaccta ctatatgttg 120
 acttgaccaa cgctgttatt ggaatgctgc gacaatcttt caacacctta ttcacacatt 180
 ctgatagggt ggttgtcatg tgaccatata gtcgtccaga tgtatcgtaa gccatgctcc 240
 atttttcttt tgaaatgcga tcaatccatc ttgctatggc tggactcaat tggacgaaat 300
 tttctaagtt ttgatcaaac acatgcttgc aaggagtgtg tgttgcataa aatntgttat 360
 catcaaaagt ggtacgtaga catgaaactc aaattaaatt aatgtataan ataaacctta 420
 cccaatttct tgaacatc 438

<210> 26084
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26084

agttttattat gattttaatt gcctaaatca tttccaaata tgcattgtgaa ttaggaagca 60
 tcaacaagaa ttaagccaag gctattgtgc aagcaatcaa tggggcaaaa cacaccaaaa 120
 gattatgatg atggatggct canattctca caaaggtaaa cttatcactt tcaaattgag 180
 ctttcaaaac tatcatgaca tgtagaggaa aaacaaggat ttcaaatcac aaaatgtcaa 240
 gagactttta tttttagaac aattacccat tacttgaaca tatcctataa ttcaaagaca 300
 aacatgcaaa ttttaacacaa caaaactaac aaaattaagc tagaacccaa caaaactaac 360
 aaaatcaaac taatttagca caactaacat aactaaca 398

<210> 26085
 <211> 342
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26085

tctattatag ggggagaagt gtttgggtana aatgttcagc cctcctggca attctagatc 60
 acttgaaatt agtgaaaaaa aattgtttcc gtgaagaaaa toccaagccga ggcgcttccg 120
 taacgtttcc gtgggtgatt tcgcgaagat tttcaaccgc tcttcattcg ttcacgtcg 180
 ntcttcggtc ttcaaccggt aagatcctga aatcgaactt ttcaattcat tctatgtacc 240
 ctcaagtgtc ctcatgtgtt tcatgtgggt ttattgttat ttcatttact ttccgtaccc 300
 ccttttgacg tgctctagtc atctacttaa ggtattttct cg 342

<210> 26086
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26086

agtcttcatt tacatcgnta tatgctttct gctcaaccga atccttttctg ccttttcaac 60
 actcatttcc ctctcggcgg tggccattgt agcttacaac ctttccactt cctccttact 120
 aagcttggtc gaagcctcaa catccaacgc ccttttctcc aacaccttca tctcgccata 180
 aagatccaaa tgcacccctt gaagtttgaa ttgtcttcaa ccaaagtagt attggcttga 240
 aaagctgagt caagagagct tccagccctc tccaaatcga ctttcaactt gtcaatatatt 300
 aagaatcctt ganagtgccg agcaatcacg accgaataga anacccataa attcaccag 360
 ttggccgcat catcatttgt gtcaacatgt ggc 393

<210> 26087
 <211> 377
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26087

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 ttctttatta aagggcaaaa ttgtccattc ataaaagttg ctgggtgcac caacaatatt 120
 gttgggggca cctagcatct cccctttntc tccccagtg gcccaaatga tttgaagaca 180

aatgttaatt gcttctctta taacaaaata aaaaatattt ataaaaaata attattttatt 240
 tatatgccta attgtatggt atacttccaa ctctctcatt gtttgataaa ttatatttagc 300
 atattttacc nctaacttat aaaaaacaca aatgttatct ttctcattga attggcgtga 360
 cttgttgaca tagcata 377

<210> 26088
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 26088

agctaattat ttatagctgg aggagataag gttgaatggt tatgaattgt ccaagctgta 60
 caagcaaaag gtgaaagctt accatgacaa gaagctattg aagaagaatt tccaaccagg 120
 ccaggaagtc ttacttttca attcaagact caatctatct ccagtcaagt tgaagtccaa 180
 gtggtctgga cctttcacca tcaaagaggt gaagccttat ggagcagtggt agttgatgga 240
 tcctcaatca aatactccta agagaagttg ggtagtgaac agtcaaaggt taaaactgta 300
 tcatggtggc agcattgaaa ggttaaccac catcttgcac ttgcaagacc cctatagggt 360
 gacatatgtc aagctagtga cggtaaagaa gcgc 394

<210> 26089
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26089

gaagtgaagg cacgctatga tggaactggg gctgncacat cctggctttt tccagtctgc 60
 atggagattt tcaacaacaa catgggcaat gctcccaacc aaaataaaga caatgaaacg 120
 cgaagatggc gcaaacataa ccgagcaaga cctcttgcag ataccaagag gagcctgcac 180
 catggaaggt ctgagattta tggttatatg cttcttaatt taattattaa actcttaata 240
 aatatcttaa gtcacttgag ccttttttca atttaattag tattttttta ttaaaacatt 300
 gtcactagta tgtgattaac ctatctcttt gttattgata caagattaag ctattcttat 360
 ctcaagttat tttattaact atgctcttat tggaca 396

<210> 26090
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26090

gcgttaattn taaccttagg ttcactctgg ctattagtca actcgggttaa gaaagataat 60
 ctcaaaggaa aacgtccgat taacctttat aaattatttt atataaggat attatatcaa 120
 ttatattatt atcatgcctc tctctgggtc taaacgtggg tacgacgtga aagatcggnc 180
 ggattttact gtaacagtga ttaaacgaga ttacaacaca aatgattggg tggaattcat 240
 tgtatcatct attatgtgag atatcggctt acacgatcgg tcaaagctcg ttagaggcag 300
 actaacagaa actgaaagtg aacgacttaa agatgaaaac ttgccaaa 348

<210> 26091
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 26091

tctatttctt atccaaggct catcttggtg gtgaagctct ttcttccatg gcttattccc 60
 tagtggatgg cgctcctct cactcttct cctttgtctt ccgctgcac tccatgggtg 120
 aaaatcacca ttaaaggacc tcattgaagc tcaaagatct agcctccata gaagctctac 180
 aagcaagctt ccatcactcg aaacattgaa aatctacagg aggtagggca gaaggagcta 240
 ttgttataca tgctggagga ggagctgctg atgtagaagc tggatgagga gctgttgatg 300
 tagcaagaac ctcagctggc cttgccctta gtcttctggc ccccttaata ataactggtg 360
 gatca 365

<210> 26092
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26092

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 tggettattt cctagaggat ggtgcctccc ctctcttctt ctcctttgcc ttccgctgca 120

tctccatggt gaaaaatcac cattgaagga cctcattgaa actcaaagat ccatcctcca 180
tagaagctcc acaagcaagc ttccatcaag tggtaatcag agcacaagag cttcaagtag 240
gtgctcctta nacctccatt aatttttttg cgttaccttc tcttccattg ttgtttcttc 300
aattttttct ccatgtatct cctcacatgt cttgtgctaa atgggttttaa catgattctt 360
tagagtttcc accgattaaa cttgctataa aagctagatt tgatttctat ggttcaaatt 420
cttgttcttt tcttgac 437

<210> 26093
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26093

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tcgcacatcc caatggtgaa agtgtgcgaa attgagtctc gaacaatgta tcaaaatttc 120
ggaaaaatcc aacggttaac gaatccggaa tcatagtttt accgagacag ctttgagttt 180
ctgcgaaaaa agaaaaagtc acgatgcgaa caatagttct ctcatctcca acatcttttc 240
gtaattccca acggtgagaa tgctcggaat tgagttgtga accattttct taaatntcac 300
gacgaaccaa cgatgaatga gtccgagatc gntcattttc tgaaacagat ttgatggctc 360
gcatgataaa gcga 374

<210> 26094
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26094

ttataagtct ttaaggaaca aggggtacaa taaattccaa acattntctt tcaaagacca 60
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aattcacaca cagtaattac gaaatcttca cttggtatcc acaggatggg ctagagcaaa 180
aaaacatgaa agaataatct ttgaaccata accttgacaa gaaaaaccaa atatcaaaga 240
aggacatttc catgaccagg gcaagaacaa agtttcatca gtctactatg aagtttctcat 300

ggtgatagct aactaaggac atttgaacag ggacacatcc gaggtatgat tgcatacataa 360
 gttagaacac gaagaatcct gcttcgtatg gttctgtaag tactctgata 410

<210> 26095
 <211> 392
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26095

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 tgaggcgaag ccatagaaat agggccttat ataccacta cagtagaaag aaccacaata 180
 gatggaagca caacaagtgg aagcacaaca atagaaaaac ctagagatag atgggtctaaa 240
 gaggataaaa gacgagtaca atataattta aaagccaaaa acataattac atctgccctg 300
 ngaatggatg aatattttcag gggtttcaaat tgtaagagtg ctaaggaaat gtgggacact 360
 ttacaagtaa cacatgaacg cacaacagat gt 392

<210> 26096
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26096

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 gttgatggaa tggaggaaag atcttcccct tgaccanag ttcattcctt tctcctcctt 120
 cacaaagttc tcttttggtt ctataaagat aatgggagct ntaatttggt ttaattaatg 180
 ctttgattgt gtgatttata cttggaatga tgatgttttg ttttttatgt tggatttgat 240
 gcaaaactat ttgcttttga tgtgggatga atgggttttt gaaaaacttc aaaaatgaaa 300
 gcttgnggga aatggatgaa ccaatntgat tgtagcata attctagctg ggtgcaactn 360
 ttggtcgtt gtccttgagc tcgaattcaa tttttgaaat gttgctctaa gcattt 416

<210> 26097
 <211> 371

<212> DNA
<213> Glycine max

<400> 26097

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cttaattgga catctgttga gtatgtaaac agcagtgtag actgcttcag cccagaatgt 180
gttaagtagt cccctttcct tgagcatcga tctagccatt tccataacta tgcgattctt 240
tctctcggaat aatccatttt gttgagaaga atatgcgact gtaagttatc gctcaatgcc 300
ttcatcctca caaaatcttt caaacttgcg agaggtgtac tctttgtcgc gatcacttct 360
tagtactttt a 371

<210> 26098
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26098

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taattgtatt cattatgcga tataatttgt tgtaagccat taaaggataa ttattaagta 120
ctcattgcgt taagaaaaaa attagttagt gcaacaaaaa tcaattacgc atgtacgata 180
cattgttgtc ataattgaca acacttaatg atatgcatgt gtattaaagt ttgagcgtga 240
cacaacattg actgacttga caacacattt tgatgcacga cattggttta gtaggaaaca 300
taaacacgta acatgttcac gcgtgtctat tnttttgtaa aaaaaagtga agcaatctat 360
cgttgagaac catgtatata tatgagacac gaaaaatgct aataaatcac acattgccat 420
gctt 424

<210> 26099
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26099

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caggaattag ctggaagtca cattagaccc cttctcttct cacactgcaa atgcaattga 120
catccatata caaattaaag cccctctact ctcaatcaat ctttctcttc tacgactctt 180
cccggtggaa ctgaaacccc gcccttagct actatagaat cgaggccccct ttttcttttt 240
ccacttttct cgaccttcag ttttaaattt ctttcttttc tttcaaaata tgcattgtaa 300
taatgatcta acaaatagcc aacataagat ttttcattta ttttgagaat gaatttaaaa 360
ctttaaatca atggaattta tggctctntt gatatttcca tatttatata cgaactt 417

<210> 26100
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26100

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cggaatattg actatcatatc tggagttttt gcaaccaagg taacaacatc ttgtaatttc 120
ttgatataat ttttaattggc tactatgaca tgctacacag tcctcatggt tgttgtatag 180
atcacgcctg caagggatgg aaaacctgtc ttgattgaac ttattgatgc gaaaaccaag 240
gagccgaaag acacgctgga ggtaacttaa tctttttcag aaagctttta gggttatatc 300
tctttgntat tatcaattgg aaacatttct cccatgagag aanggagaaa attattatgt 360
gtcggtagaa cttagaatat ctatacnaag tatattgtat tatatcttag aatgtttata 420
ctatcttaat g 431

<210> 26101
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26101

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aagcttacag ccttacgata tctagatcta agttataatg tggctattca tggagagatc 120
ccttatcact ttaaaaatct ctcacaactg caatatcttt gtcttagagg acttaatctt 180
tccggaccaa tacctttccg gggtgggaat cttcctatct tgcatactct tagacttgaa 240

ggcaatnttg atctttaaata taacgatgca aagtggctat cttctctctc tttnttaaca 300
 actcttgacc tgacatcatt gcataatctt ggctcctctc gttactggca acaaagtac 360
 ggtgagctta taacacactt gagagagttg 390

<210> 26102
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26102

tattccanac ttaagagagt tgatgctagt tgggtgtttt ctttcagata ctattattca 60
 atctctgttt tattcacctt ccaactnttc cactgctctt accatccttg atctttcttc 120
 aaataagctc acatcctcaa catttcaact ggtgtcaaac tttccttctc ttgttatcct 180
 tgacctttcc tataataata tgacatcatc agtctttcaa ggtgggtttca acttcagttc 240
 aaaacttcaa aatcttgatt tgcaaaattg tagtcttacg gatggaagat ttcttatgtc 300
 atcttctttc attatgcgtt cttcattntc tcttggttcc ctagatctct cctcaaactc 360
 tgtgaaatca tcaactatan tttactgggc tctt 394

<210> 26103
 <211> 397
 <212> DNA
 <213> Glycine max
 <400> 26103

atctttgtta gattaactat aactgctttg tgtgtatgga taggtcaaag atcgagtgtc 60
 aaaagtaagg aaggcacaaa aaatgtgggc aaagtccagc ttcaagcaaa gacgcttatt 120
 tttgcgtata cttttaaaagt atataattaa acatcaagcg cttatatgcg agtaagaaca 180
 cttttccatg gttgtagaag tttatcatat ttttttacac ttcttggaac cgtttgtgat 240
 acagacttga acttatagtc acttttttga catttttagga aatatgcaaa tctttcatag 300
 ctaccacta tttttagtta tcctaccggt taatccatct gctctgaagt agatgtaaat 360
 tgtgatcatt gcatgatgag aatgatgata gcatctt 397

<210> 26104

<211> 300
 <212> DNA
 <213> Glycine max

<400> 26104

cacatacatg cgccaacgaa ccaaatagca cacaaaaaga gtacaaggcg ggctaaacgg 60
 gacttacagg aaacgcatta tagaccatgt gatgctcaat atcaagcaag ctcccagtct 120
 ccagacacga aagtctgtga actggaaagc tagttttcaa aaactgttcc aatcgatgcg 180
 catcgatggt gtatctatag cctccgtctc cgctaaaacc aatcagaacc acgttcactt 240
 ccagcggaac ttgaaacgga acctacacga accacagaca catgcattca cacatcaatt 300

<210> 26105
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26105

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 gtggatggtg cctcctctct ccttttctcc tttgccttcc gctgcatctc catggtgtaa 120
 aatcaccatt gaagaacctc attgaagctc aaagatccag cctccataga agctccacaa 180
 gcaagcttcc atcacaccct ttgtgcatgt ccttcatggt ttacatgcct catgacacct 240
 aaacacactt agtagagaat cttgaatttg atcttggatt agtgggctga accatagctg 300
 anattcacta atcataatta gtgaaatggt ggctccacaa attcaagttc aaattcaagt 360
 gaaatttgaa tagaaaatca aaattccctc caattt 396

<210> 26106
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26106

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 gctcctggca gtcaacagat aaaaggaaca aagaccacaa agcaaggagg cttgtggtgg 120
 atggccaact gtgaattttt gtgtgatata tgggttgtgg cctctggtaa tcgattacca 180

agggtgggta atcgattaca aggcttaaaa atgaaaacag gaggctaaaa tggctctctgg 240
 taatcgatta ccacggngtg taatcgatta ccaggcttga aaacgaggtc aggaagccat 300
 gaaggcttct ggtaatcgat taccaagggg gtgtaatcga taccangctt agaaggggac 360
 tggaaca 367

<210> 26107
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 26107

agctccacgc atgtaagtac aatctcatca ggtgcaagac tatcacagat gtcttgtctt 60
 gtaataaata aatcagctag aactgaagct gcatattctt gggtttcttc atttgatgaa 120
 ttgaggactt gaactagaga tctcaagcct ttattagctg cagaaccctt ttcaaggaga 180
 tcattctgcg aagccatagt aagaacatga cctaaaactc ggattatgtg ggtttttgag 240
 cttggagaat gccctatgag caatgctaata agctgattaa ttgtggcaga atcagctact 300
 cggacaagct ttgtgagtgc cattgcagaa gcttctgtc ctcttgggtcc accactctta 360
 agaagccaca aaaatgctgg gatggctcca gcac 394

<210> 26108
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26108

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 gcgcataatcc acttgcaatt ccaaagtatc aaacctctca ccaacatatg tttgaagacc 120
 atcaaaccctt tccaaaatct tcgaaagaag agatgaatct tctccctcat gtctttcttc 180
 accaacattt ctagcacctt tctttaccca agagccatca tgctccttaa tataactaaa 240
 ggatgctatg actgaagcgc ctataaggaa tgatctcttg attggaacat aggggttcaga 300
 atcaagaggg atgttgaagt gttgaaggan aagggttaata acatgaggat aaggcanagg 360
 tgcattcaat cgcaatgcct tatgcatgcy atatctaa 398

<210> 26109
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 26109

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ttcttctatt ttcagattgg gaatgcctct aacagcacct ttgtcaatga ttttcttcat 120
gcctcttaag tgcagatgtc caaatctttg atgccatatt ctgacttcat cttctctgga 180
gaatagacat gtggaggagt aactggtttc ttgagggtgc cataggtaac agttgtcctt 240
tgatctactg cccttcatca gaacttcact cttctcattt gtcaccaagc attctgactt 300
tgtgaagttt acattgaatc cttcatcaca cagctgactg atgctgatca agtttgcagt 360
cagtccttcc accagcagta ctt 383
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<210> 26110
 <211> 348
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26110

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tatgttgcaa acatttaaata tatacctcct cagctgtcta accaacaaca acagaataat 60
tatgaccttt caagcaacag atacaatcca gggtggagga atcatccaaa tctgagatgg 120
acaagttctc cacaacaaca acaacctgtc cctccttttc cagaatgttg ctgggtccaag 180
caagccatat gttcctcctc caatgcagca acaacagcag cagtcacaac aaagacaaca 240
aggaactgag gctcctcctc aaccttcctt agaagagtta gtgaggcana tgaccatcca 300
gaatatgcaa tntcagcaag agacaagagc ctncattcag agtctgac 348
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<210> 26111
 <211> 366
 <212> DNA
 <213> Glycine max

<400> 26111

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tagcttatcc ttatggcttg cctccggact tcaccccccg tgccacccccg gaagatttaa 60
gccaaagcccc tactttcgag gggcaactcc caccttatga cgactatccc gggcaagacg 120
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atgaggaagg agatacccat cttggccccc tgctccacct caaagatccg tccccccatg 180
aactacccca actgaacata atccgccata tcccggcctc acccacaccc gtaaaagaat 240
ctgttccctt cgcggaagat aagggaaaga ttgaggcgct tgaagagagg ttacgagcag 300
tcgagggcct tggcaattac ccattctcgg atttagcgga tttatgtctc gtgcccaaca 360
tcgtca 366

<210> 26112
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26112

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agagaaggag ctattagcga tagcttttgc tcttgagaaa tttcgttcat atttgcttgg 120
tactcgtgtt attgtttata ctgaccatgc agctctgaag tacctgttga agaaggctga 180
atcaaagcct agattgatca ggtggatgct ttggatccaa gagtttgatt tggagatccg 240
tgatcagagc ggtacacaaa acctcatggc tgaccacctg agtaggattg agcgtgcgcc 300
tgaggaactc acccattcgg atgatntttc agatgacca ttgtacattc tgtataagat 360
ctctgattcc ttccccactc cttggtnrng ctatattggn gaatattggn tgcttctgtt 420
ttcctcccta cn 432

<210> 26113
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26113

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ttcaagggtt gagaagtga aatgagaatg gggtaaattt ggagcaaact ctcacctcac 120
acaagtctat aaccttaatc taaacttgct caaactgggt ttacgcctaa aattccaccg 180
aatcaaaatt tgactcctca acaccaatt taccctagaa atggctcttg ccttcacttt 240
ggtcattcat ttttccctt tgcacagccc aagctttccc acagtcctaa atgacatttc 300

aaactangat taactccctt taacctccaa ttaccaccaa atccagattt aactnttcaa 360
actctcanag catcactctn ttccactcat 390

<210> 26114
<211> 189
<212> DNA
<213> Glycine max

<400> 26114

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ccttgtttcc ctttccttgt tttgaagctc actacaagcc tttaatgaaa aaccatgata 120
tcaccatata ctttaaggaat tttggagctt tgggaattgt ttgggaataa gtgtgggggg 180
gggggggggg 189

<210> 26115
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26115

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ccttaccctc ggaagcaaaa aaatagagag agagatagaa ggataattcc caatcgtagg 120
aaaaaagaga ggaaaggaaa ttcccaatca aagagtggga gaaagcaa at agaaaagaaa 180
gaaaattccc aatcaaagaa tgggagaaag aaaaaaagag aaaagaagga aagaaagctc 240
ctgatcaagg atcgaaagaa aacagatgat atgtgcagag aggtctttgg accagacaat 300
atctgaacaa tacggaattg tcaccaa atg aacaaaagac agaaaaggaa accataacct 360
ataagtggtc 370

<210> 26116
<211> 403
<212> DNA
<213> Glycine max

<400> 26116

gcttgaaata cttaatcgcc ataaaaaaaa gctttgctgc acatactttt tttgtgcaaa 60
aggaagtact ttgttgttgt aacattcaac acgccaacac tgaagaatgg ttttttacca 120

tgaaaaagta tgtgcattta atgctccaac gatcacatta tttatatgca agcttaagag 180
aagaaatatg tctattttaga gacaacatat acttgattga gggagactta ttaataccac 240
aagcattgaa gacataaagt atgtattgaa gtgctcttta ttcaaattcc tttctgtaca 300
aaagcttttt gtgcaagttc ttgtaaaagt tataaaaatt ctcagaacac tttcattatc 360
ttgagagata taactaagtg gtgaaagtat ctatttgtct ata 403

<210> 26117
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26117

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gaaatttttg gttaaatgta tgtctttatg aaaatttggt aaggtgataa ttagaaggat 120
taagccatat atagtttaag tgcaaggttc taaggccaaa gtattatttg gaaacaataa 180
ttgtcttcat atgaatttgt tacccttctt cgggtcttcc tctccttagt tgccattttc 240
atgtccacct tacactttgg ctgacttata tatatcatca aaccacttaa agcacaagca 300
catgttctat ctgacagcaa ctactagcca cctcacataa gggatttcat gcttttagga 360
ttgtntcatt ctagttaaaa aagaatg 387

<210> 26118
<211> 385
<212> DNA
<213> Glycine max

<400> 26118

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ttcccatctg aagagaaatg acagcaaaca actttgttgt tgcttttgca tatagaacca 120
acttactga aggaaaagcc tgaaatggaa gcaatatagc cagcaacctg gtaaattggaa 180
tgataaaaat ttaatgatcc ataagaacat tagattacct tttgaagcat ctgcgggcaa 240
atttcccaac gaggcgctgt ttacaaaaat tattcccgat ttaaggctgt ttggaaagta 300
ttttocaggg ggtgctgttt ttgcacgtcc cgggcatggg atgcaccatt tctgatggcg 360

acttcgtgca tggcagacac gtgtc

385

<210> 26119

<211> 166

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26119

catcataact ttgatggtga aggaactact acaactagaa agagnaaaaa tgaattactt 60

catgaatctc anaatgtaaa catgtatgac attatctagt aaaatccata cattcctagc 120

aagagaaact ctgaagaagt tcaaaatata ttgccagaag cgcaat 166

<210> 26120

<211> 403

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26120

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atgttgagaa atcactctct ttagttttat tgaagcatac tttagtagaa aatcatgtgt 120

ggttggttag aggagatcta tcaaagcaag cacaattatg tatagcagag cgcgtctttt 180

gagaatgggt aaactaatga gcgttgagg atctcatgct tcttatgact tcaacaatcc 240

ctatgaagaa tgtttttaag acattgctgc ataatgaatc tcagacatag agtattaaat 300

anagtcttac atgacatctt acatgcctta tcanattata acatttgtct gccttccgtc 360

taaacttcag acgtgggtac aatgggtttt ggctgattgc aca 403

<210> 26121

<211> 318

<212> DNA

<213> Glycine max

<400> 26121

agtttcacag tgcatatcaa ccttgagtac tatctctggg ggctcttcat cctttttctc 60

ttcttcttct ttttctctg tggctcttct tttctttct tcttcttgt tctctttaa 120

cagcaaagag aatattaatt gaatatagca aagatgtgac tgaaaaatct ccaccatgtg 180

tagaactaga gtatatatgg catgcattac ttgataatga tgccaccacc atatatatca 240
tagagcagac attatataca aaagatcata aaagttaaaa aaatgcatga tcctagtcct 300
atagtgtagt tagttttc 318

<210> 26122
<211> 350
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26122

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acctggaaga cctgcttttg ctgaatactt atcagccttg acctaacaag caaatgaaaa 120
agcaaaaaca aatcacgact tgtttgattc tcttctcaat tttgttttaa aaaaagtatt 180
taaaacaatt caacactatt caacaaccaa aaatagaaac atctagattc tagaagatgt 240
tntctcatct tatttcatct tatttgactt aatcaattcc aactccatt gagtgtcttg 300
cgccttcctc caccatctga acaacctttt tagtagcatt ttgaaaactg 350

<210> 26123
<211> 378
<212> DNA
<213> Glycine max

<400> 26123

atcttgttta gttccactta gcactatgga ttaactggta tggagtcgct caagcttaat 60
aaatgatttt gtatgtaact gtattaaata cttgaaatga caattttggt tggtaccttt 120
agtgattcta tcatgcttga gcaagattgc gtccattaaa aaatacttgt aatatcaaac 180
caaaaaatat taagcttgtg aaatgatttt ttatattggc aaatgttaat tattatTTTT 240
tgttagtgga gaattgaacc cgcaactttt cgatccctct cttctccttt taccaccaac 300
caaccttata actcttaaaa ttctaaaatg tgaattgttt ccattggagg ataactgtga 360
tcttcaacca caaaaaaa 378

<210> 26124
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26124

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tcgtctaaag tctcgagtcc attggagcat ttaatgcttg ctntaaatgc atgtcctttc 120
ttcatgcaaa gttcatgttg ataggatagt gtatcttgta ctttaagcagg gaagtcattt 180
atttcatcat agtaggggtg caacaacaga gtttgccctt tgatgagaat caacatttnt 240
caggctgtgg acttcattta ttcttcattg aactttgaca catcctatga gaatattttt 300
gcatgaaaga atctcataca cggagtatta atgaaggtct taaataccct acttanatgc 360
tacatcagat ccgcttaaga gtgcatcgtc tataaacttt caacacacca ttttatata 419

<210> 26125
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26125

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ctataccaga catatttcca aacaaagtca gggtcacgat aactcacctg cgctcttgct 120
tccatgctat atgatacaca gtgattgatc caataatatt cgatgagtcg gaaaatgatg 180
ccgcaattat actgtgccag caggagatgt atcatcccc tgttatcggt gacatcatga 240
ttcacttgaa tgagcatctg gtctgagaaa tcaaagtgtg tggctctgat tatctacggt 300
ggaagtaccc ggctgaacga tacatgaaga tctcaa 336

<210> 26126
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26126

gagcacatga tccttgcath ctggaccttg aaattgacgc cttggaactc cccaagacaa 60
tgagacctag cggtgtttta agatagagac atttgccagg gcagggttcgt ctcttctgca 120
aaagtttcag aacggggaaa acacacttga agatctttat aaggatttga cagacatgac 180

attgtttcat gattactcaa tacgcaaaat gatgtgatct atggagagaa tgtgaaccag 240
cacgctatga ttatgatcag ctcaaaatcg tcccacaata tttggctgga cgggaaaaca 300
cgagatctgc gcaatccttg aatgatgaga ttttgaagaa tcacgatttc atgggcagcc 360
tcgagatggt gccacttca tgaggacatt attaccttta ttctacaata gccacagttt 420
cattggatta agcacctcac ccctattagg aactcgtatt gcactctaca atcgggaaacg 480

<210> 26127
<211> 257
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26127

attttcatc ttttgtctcg ctcatanatg atgcgtgaga aaacatgctc tattttcatc 60
tcgcactcca agtaggcctc cagatcattc tttcctttaa atggaggaat gtggagtcca 120
ataccagcaa ttcggtaatg actaggaaca ccatcatgcc ctctgactct gccttcattt 180
tgattatgaa cactattttc cattagatcc aacctctcat ggagcgcac atcatcgctg 240
ttgattaacc tctccaa 257

<210> 26128
<211> 323
<212> DNA
<213> Glycine max
<400> 26128

tatattattg gcctgaatca gacatccgaa tcaatagtta tggctgttta tttatgccat 60
gtgcttccat gttcaattgt gaacatctcg atatattatg cgctgaatc gggcatctga 120
gtgaaaagtt atgtcatatg agttagccga gagcttcgct ggtcgatttc aagcgtctcg 180
acatattatt ggctgaatc ggacattcga ggcaaaagtt atggcggggtt aaactttcca 240
tgcgcttcca tggtaattt tgagcatctc gatatattat gcacctgaat cggacatctg 300
agagaaaagt tatgcatat gag 323

<210> 26129
<211> 354
<212> DNA
<213> Glycine max

gcacaagaaa ggcgtatgga gtatgaaatc cttgtgaaca acacactacc atgtctgaga 300
atcaatgcca agaccacgaa aagtattgcg actgtctacg cagaaatgaa gattttgaag 360
aatatgccaa t 371

<210> 26132
<211> 389
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26132

tagtttgtgt ctaagnngca atctgctatt ccgatgatag tgaccacgcc tgagaaaagg 60
gataccatta cacgcaagag cagggacata tcattgacca tgggtggtaaa gctcttaatt 120
attgatgaag tccatctact caatgatgat agaggctctg tgatagaggc tctagtttcc 180
atgaccctac ggcaggtaac gcatatgtct tatttcctct gtgtttttac atgtacaaat 240
ttagtttagga gattcgctta aatttattat attctctttt ggatatatga ataatacagac 300
attggcttat gacagctaac ctgatatcta tcttacttgt tccacatata aagcgagctt 360
tcttattgat cgattttgcg ttggcactt 389

<210> 26133
<211> 377
<212> DNA
<213> Glycine max
<400> 26133

ctcacagctt caatgttaat gtcacattat ataatgtcaa aaattttatc acattatattt 60
gatcatggta tggatttgta agtgacatcc ttggccagag tggatttgat tgggatggca 120
ctaagcacat gatcacagtt gagaatgaaa atgcttggaa tgaatattgc actgtaagta 180
ttctttctct aatatgttgc tatttggtat tcaaaggaga ttggatttga ctttttctgg 240
gtttccagtc gcataaatcg gctataccgt tgtgattcaa ggtgcttcga aattgggatg 300
atatagtgga ttcgtgtgct aaagatagag cccccggtca tggagctgaa actgctatgg 360
atgctgatga agcgatg 377

<210> 26134

<211> 331
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26134

ttgttttgtt tggagcttca atggagaatg gaggagaggg aataagcaac gtgaggaaga 60
 gggagggaga gagctgttct gaaattgggc tgagtgaaga gagagagggg tgcttttttg 120
 gtttttaaag gctggagctt ttattgacct cttttcttat aattttattc aagctctgcc 180
 acatgtccct atttgattgg ancaaaaagg gcccactttc tctttttgac tgtgacccat 240
 actcagtcac aaaagtgaga aaaatctgac ctttgaaacg ctaaaatcct gcctcggttt 300
 gcgtgccata tctctgggtc cagtttctcg c 331

<210> 26135
 <211> 440
 <212> DNA
 <213> Glycine max

<400> 26135

taatggtaag aaaagagtta cacacacagt catctaataa gcatcatgta tatatatata 60
 tatatatata tatatatata tatatatata tatatatata aactgtgagt ataaaataaa 120
 agtgtgtgtt tctatgtaag aaaaagaaaa gctaagcgcg gaaaggcaag taatagagct 180
 agaataaaaa gaaaaagatc gatctatgga tgaatgctct cctagaacct aagcttttgc 240
 atcctagaca aaccatgaat tgattgcagc ccagcctcgt taaaaacct gaaaagtcct 300
 ttggatacag tttgtgtgtt cttgactgta tggcaagaga tgaacttcac agattgagat 360
 gtattttcgt tctcgattca tggataagcc taaacacttg tgcttgagtg agacagtagc 420
 tatgaggctt tgtaataaag 440

<210> 26136
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26136

agctttgtta acaagaattt catcaacgag tcaagacatg aaaaaagcct gacgagtaaa 60

tctttgttta gaagtacaaa tgtgggatga gtttaccagt gtttagctatg ttatgactct 120
aaataattaa gttttgtag tttattgtac ttttttggtt catttattgt aataaaaaat 180
ctaaattact ttaaattaga tcggtttgaa ttaaataata actaattaga taataaaata 240
taaaatccaa tcaataacat aagacttgaa taatntttat tgtctaataa cgataataag 300
atttcaactt aagattttatt taaattgctc actatatt 338

<210> 26137
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26137

tgattatatt ctatattatt taccctacca agtcattact agctctaaac aaatcaaaag 60
catttgtgaa ttagtttgca cactaactaa ctcttaaatcg tcttacagac ggatataaaa 120
tctgagcact tagtcttttt tctaaatgtg ttcaaggcgt tttgagagcc ttacaaaact 180
ttacaagatt ntgcaaagag ctgtttacaa aagaatttga atgtagcat gtacgtttgt 240
gtcccatgtc tttaaagctt ctggtgagta taggcattca tcttcaagtg ttcggtgtct 300
ctaagcggat ataattatnc tctaaactt gcgtctgatg tgtgtagccg gcggagcaac 360
ttaatgtttg cataagatgc acatccctta tcatgctaga gaaccactc 409

<210> 26138
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26138

agtttctggt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60
tcttctatct tcagattggg aatgcctcta acagcacttt cgtcaaagat tttcttcatg 120
cctcttaagt gcagatgtcc aaacctttga tgccatattc tgacttcatt ttctttggag 180
gatagacatg tagaggagta gctggtttct tggggtgtcc atatgtaaca attgtccttt 240
gatctgctgc ctttcattag aacttcactc ttcttatttg tcaccaaaca ttctgactnn 300
tgtgaagtta cattgaatcc ttcattcacac agctgactga tgc 343

<210> 26139
 <211> 417
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26139

tgtttcaatt canatgacaa ttacctttac tttatatcnt gatgagtccc gtaatataac 60
 gagacgctcg aaattgaatg ttgaagctct gagccaattc agacgacaat aactttttac 120
 tgggatgtct gattgagtcc cataacatat cgagacgctc gaaattgaat gttgaacctc 180
 tgagccaatt caaacgacaa taaagtttta ctcggatatc tgattgagtc ccgtaatata 240
 acgagacgct cgaaattgaa tgttgaacct ctgagcaaat tcaaaagaca ataactctnt 300
 actcggatgt ttgattgagt cctgtcatat atcgagacgc tcgaaattga tgttgaaact 360
 ctgcccanat caaacgacaa tagactttta ctccgatgtc tgattgagtc ccgtaca 417

<210> 26140
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26140

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 ccactcagca atctattgaa caaggacgtt gtgtttgtgt ttaatgaaaa atgcgtggaa 120
 gcatttaatg atctaaaaac cagactagta tctgctccgg tgatcacagc accaaaatgg 180
 gggcaagaat ttgaattgat gtgtgatgca agtgactatg ccgtangtgc tgtacttgga 240
 cagacaaaag gcaaaatctt tcatgttata tattatgccca gcaaagtttt gaatgatgca 300
 caggttaact atgccgccac tgaaaaagaa atgttngcaa ttgtctatgc acttgaaaag 360
 ttcagatctt acttggtggg atcaaaagtc accan 395

<210> 26141
 <211> 496
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26141

cccccgacca tgaacgttgc attacggacc tatgatactc agcttgtagg tgctngactg 60
 cagnttctat tggcccacta tcttcaaaga tgcgtggaga atctgtagca cttgtgagcc 120
 ttgtcagaga acaggcgtct cactttcatg cagacaacaa atgcctcaac aacccatgtt 180
 ggtctgtgag gtgggtgatg tccggggat agactttatg gggcccttcc ctgtctcttt 240
 tggntttgct tatattctcc atgatgttga ttatgtttca aaatgggtgg aagccaaagc 300
 caccagaact aacgatgcta aggttgttgt ggattttgtt agatctaata tgttttgcag 360
 gtttggagtc cctagagcca tcgtcagtga tcaaggcacc catttttgta acagatccat 420
 gtatgccttg ctcaaaaagt atggggtcgt gcacaaaaat tcaacacctt cccnactcca 480
 aactaatggg caagct 496

<210> 26142
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26142
 agctttgttg gacaagaacc tcccttggtta gttaaaggag ctgacattcc ttccaaattg 60
 gaagacgtaa atcgattgag taaggccatg gatgaattat tacaggaatt gaggaacaat 120
 ctgctcaagg ctcaagatca gataaaaaga tttgtaaaca agcatagaag ggagctagct 180
 agtcctacaa gaaggagatt ggattttttt gaaactgcaa ccttatagaa ttgtagtcaa 240
 tgaatcttaa ggcaagtata acataaggaa attcataatc caccagacga cgactcttca 300
 gcataatgtc ttcaatcaac aacacccaat tcactcttgat acctgatttc agaccatata 360
 cagcctgtag attatcatcc attaccttag cg 392

<210> 26143
 <211> 336
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26143

ggaggaaaag aaagagggag agaaagagag agaggggagc acgaaattga aggaataaaa 60
 gaggcagaga agtggaaactt tgaagtatgt ctcacaagac tctcattcat caaagttaca 120

acaagtgtta cacatgcttc tatttataaa ctaggtagct tccttgagaa gctttcttga 180
gaaaacttcc ttgaaaagct tctttgagaa aacttccttg agaagctaga gcttagctac 240
acacaccctt ctcataacta agctcacctc cttgagaagc ttccttaaga tgattcctan 300
agaagctaga gcttagctac acatacctct ctaata 336

<210> 26144
<211> 388
<212> DNA
<213> Glycine max

<400> 26144

agcttgtttc ctatggaagc tectaataac tcccacactt tttggggtgg gccatttcttg 60
gatggccttg attttctcag gggtcacttg gaccccatth ctaccaacta caaaacctaa 120
gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga ggggtgttttt 180
cctaaggact gaaagaactt gtctgagatg tcctaagtga aaatctaggc tcctactata 240
cactaaaata tcatacaaat aaacaactac aaatctacct atgaaatccc ttaagacatg 300
atgcataagc ctcataaagg tgcttggtgc attagtgage ccaaaaggca tcactagcca 360
ttcatacaaa ccaaacttgg tcttgaaa 388

<210> 26145
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26145

gcttatctca cactntctat gttaatatta attcatttgt gtctattcct cactctcaga 60
cacccttcta ttgtgtgtca ttatggcatg gccaaacttg cactgtcttt tcattttccc 120
cccttcttgt tttgttatgt tacttttcag attgtctttt ctgttaatca taattttagg 180
agtgtcagat gttactcttg tttgattgga ttttatagtt ttttttaatc attcattcag 240
ttaacgaaga aaaataaatt attttagatt aatttatatg cttaaataata tgtttttatc 300
ttttgtttta cattcttatt aatttatgaa taaattaata aatttggatt tgtatctgat 360
aatatttttt atttataatt agttgaaatn tanaccaaca ttattatatt atgataaaat 420
aatataaag tctctgattt aat 443

<210> 26146
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26146

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agcttgctct aaaatgattt gatcaaccaa gaacttagat ctagatgttc ccaagcttca   60
aaggatgaca aaaagaaatt tggaaaccaag actgagagtt ttgcacgaaa atggtaagga  120
aacaagaaga gaatgaagat taagagtctc ttatcaaagc tttgagggaa gaagccccaa  180
ggacaattgt atgaagcttg gaagaagaag aagaagaaga aaatggactc ctctccctcc  240
cttgaagaac tcatgaacaa caatggagaa tgaaggttcc aagtttgata tttttggagg  300
agtgaagaga taaggcttta aggcttggtc caaatgaaac ttggtttaggc ttaatgttga  360
taagatcaaa ttgacaaaat gaatgaccat ttgat                                395
  
```

<210> 26147
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26147

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tgaatgagaa cgtgaagggtg aacttctggt tattgtgacc atttatggta cctggagata   60
tgtcgcgggg gtcaggagac cttggggacg tcagggtggg tgctattgcc caaaaccaag  120
cttgaccaat cccgacccaa cccgggcata gtcggtcagt gagaacctgt gatgtaccta  180
agcaggcgag ctctggcgag tcaacagata aaaggaaaac aagaccacaa agcaaggagg  240
cttgtggtgg ctggccagct gtgaattttg tataatatgt ggattgtggc ctctggtaat  300
cgattactga ggggtgggtaa tcgattacaa ggcttanaat tgaagacagg aggctaagat  360
ggtctctggg taatcgatac cacggngtgt aatcgattac caggctttga aa           412
  
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<210> 26148
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 26148

agtttactct gcaaacatTTT ataatagacc tcctcagtag caaacccaac aacaacagaa 60
taattatgac ctttcaagca acagatacaa tccaggttgg agaaatcatc caaatatgag 120
atggacaagt cctccacaac aacaacagcc tgtccctcct ttccagaatg ttgctagtcc 180
aagcaagcca tatgttcctc ctccaataca gcagcagtca caacaaagac aaaaagcaac 240
tgaggctcct cctcaacctt ccttagaaga gttagtgcgg caaatgacca tccagaatat 300
gcaatttttag caagagacaa aagcctccat ttagagtctg acaaatcaga tggggcagat 360
ggctgctcag ttaaaccaag cacaatccca aaattctg 398

<210> 26149
<211> 447
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26149

tatgcacgga aaatgtaatt atgaaattga gatgctttta gaaacacccat tttctagtta 60
accatgcatt aagtaccatg ttcaattatt ttgtttttta gtgaaacggg tttatgatcc 120
caacatgggt ggctcggtgg gctaacaca tgaaactaag aatgtagtgt gaagtttcac 180
gcttccccct tttttgtttt tgttttgtag aggaaaacac aaggatgagc aaacatgana 240
acaaatggta tgcaattttg cagatcaaaa agtttggtga acacatatgc atgatgatgc 300
catgactcat gcaaaatgtg aggctggaat atgataacgg acaaatgcan gatatgtcca 360
ttatgatgtt atgaagagat gcttatgcga tgcattgata tgaatgcatt tacggacacg 420
agagccccga naattatctc ttcttac 447

<210> 26150
<211> 335
<212> DNA
<213> Glycine max
<400> 26150

tttcttcaac ttacagagag taggtcaggc ttagcgact tccaagaatt caaaagccgt 60
aagagattgg cgcttatcgc ctctggcct gctaagcca gcttaaaaac tcaagttata 120
gaatggatct gggacttaac gtaggatagt gcacttagtg ctgctacaat aaaatttttc 180
ttgagaaaaa gtggcactta gcgcacatc cagcctaagc tcttggtta aagttcaatt 240

accgtgaaga tgtggggctt atcgagaga tgtgcgcttt gctgaactat tcaaccaacc 300
aatcatgggt ctatgcgctt agcgctagca agctc 335

<210> 26151
<211> 349
<212> DNA
<213> Glycine max
<400> 26151

gcacaacaag tcttcacaaa tcacaatgcg cgcataaacc caccataccc tgttgcccac 60
cttcaactga gctcacggac tccacgtagc ccatatcctc agttctctca acaccggggtc 120
cccatcaatc ctcccaagct tccacaacat ccaagcaaaa cagcattcaa accgcacaag 180
ctatcgact caagcaaac agagcagagg cagaagactc tgccaaaaca ccaaccaa 240
cacagtgttt ctcaactaaa gacgccagta acaatccctt caatccaatt cagtaaaccg 300
ttgaacgact ccgaaatctt actggaaggc tctaatacat atgcctaca 349

<210> 26152
<211> 356
<212> DNA
<213> Glycine max
<400> 26152

tagttcgatt tatagcgagc ccgagttaaa agaaaatttc atattgaata ctacttgagc 60
tctgaaccaa atcagtactt attgagacta gttgagctga acgcctatac cagagtgcac 120
tcattactag ccctattatt aatgagattg tgtatgggtg cctaacaatt aaccaaagca 180
ggtaggacct aatgatgttt ctatacaaac tatatactat atgctcgtgc ataaagtaag 240
cctaggtcat gcaccatcag aaagttaccg aactagata aaccatgaaa tattatcaag 300
tgcacggaac agaacttggt gcgggaaaca cttggatagc gtgaaactta gggaaa 356

<210> 26153
<211> 239
<212> DNA
<213> Glycine max
<400> 26153

taccactcc cttgatgaag aagatgaaca attgtagcaa ggacttggtg ccataactgt 60

agatttcatt ccaagtccat atacttttcc tttctttgat ctaactacat cgcaccacac 120
atctaactca cttggtgaag gttttccttc tgccaatgct cttttggtca tatgtttcaa 180
tgtgcgtgca aatgccttct aacatcacca atataagcct aataagtaag aataaaaaca 239

<210> 26154
<211> 395
<212> DNA
<213> Glycine max

<400> 26154

ttagctttca tcttggacgt acccatcagg ctaccctga tgaagcctcc caggccgggg 60
tcagacgaaa ccaaattattg cagggtgcat cgcagtattg gtcataaacac ataatttgt 120
tgggccctaa aggacaagat agaagaactt atacaagctg ggtacctagc ccaatttgtc 180
aaaaagctag acaactacca agcaaaagca agacttggag gacaccaaga ggagtagcat 240
aggaaccacg aagcagatag aagaagagcg gaatactgat gtagacaaag acaccagcaa 300
caacggcata agcgacaacc cccaaaagaa taggaaccca cctgtaaat cagagcacac 360
tattatggag aacagtccta ccagtcctaa aatg 395

<210> 26155
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26155

tatagaaact caagcttatt tgctcttgat ggtttcccat cactgcgtnc tcnccaacaa 60
tttaaattaa aaaaaattag gataaaagtg ttagaagttc attttgaaat ttctaataag 120
ttaatcttta tgatacaaca tcagttttcca gtaacgacag ggcttctcta aataacacac 180
tattcattta ttcataattta aatatattat aattcttgcc ctgaccttaa tgagcctcta 240
ggaccaact cacctaaact gttatctacc aaaaaaattt ataattctta aactttctta 300
agagttctat aaataagtga tgtatgagat gcaaagtaag attagaaaaa agaatttaac 360
atnatttctt ctcatcttct tgctcctnaa gtatcatatc tgtctttctt taccctttta 420
tanagtctaa caaaaaaat gtat 444

<210> 26156
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26156

tagctcgact tgcctgcaat gcttgcacct atcgagggtta ccactctcaa catcagacaa 60
 tactttgtcca tacttggggg ctccaagaac tcgcgggccct cttacttgtc aaggatacta 120
 ccccaaacat tagacaattt cccttgatac tgaataacct ctttcgcca taagccaact 180
 caaaacttgg ggggcttatg tactatccgg ggtccacaaa atacatgtgt caagctacgt 240
 ggcactctga tgcacacatc aaccctctat gtcagccctg gcatatgtgt acatacatta 300
 agcccttagc agtcagggtc tcaaccaata ggatatcttt aaccacttat tatttgaata 360
 tattgttgta tctttatctc atggaaagtt act 393

<210> 26157
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 26157

tcacctttgg ccgctcttgt tggatctaaa catgcttata cacaatggac cctatagact 60
 gaagaaggaa caatcaacta gacctccttt ggatagaggt ccaatgatcc taccagcagt 120
 tggcctgact gtggctttgg ctctgacctac tatcgaggct catcatcaca gcgctagcat 180
 gtcttcccct tgctatgata ggcccttcacg ggaggggtcg tgtccaataa tatatgatgt 240
 ttgcttcatg cgaaccatct ataaaaaatg aaaaaaaaaa gtcattataa taaacaatta 300
 tatttaacta agacaataaa ataaataaaa aacattaaa tttgtctaag agtaataaaa 360
 gaatatacaa cagaatgatg tcgttgtgtg tttcatcata atgcacaat 409

<210> 26158
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26158

tttgcttctc aaggaggcga acttagttat tagaggggtg tgtgtagcta agctctagct 60

tctcaaggaa gttttctcaa gaaagcttct caaggaagct acctagtcta taaatagaag 120
catgtgtaac acttggtgta actttgatga atgagagttg tgagacacaa ctcaaagttc 180
aactttctct cccctttttc atcttcaatt ttgtgaggca tgtcaagctc ccctagcttg 240
gacgactggt gtttaggctt cttctggcaa gttgtcttgg gtggacatgc ttttgatctt 300
gcagcaaaat tagacgtgtc aggtggatga tgctcttata tatgacgatt cagccctttt 360
ctgatcattg gaggatgcat tgaagacaaa tgttt 395

<210> 26159
<211> 378
<212> DNA
<213> Glycine max

<400> 26159
tgtagggtta aagtctcatt attatcacgt gtcacatgcaa caattgttat tcgtggctat 60
acgagacatt ttgccaaaca aagtcagggt agcgataact cacctgtgct ttttcttcca 120
tgctatatgt agcaaagtca ttgatccagt caagtttgat gagttggaaa atgaggccgc 180
aattatactg tgcgagttgg agatgtatct tcccccgct ttctttgaca tcatgattca 240
cttgattgtg catttggtca gagaaattaa atgctgtggt cctgtttatc tacggtggat 300
gtacccggtt gagcgataca tgaagatctt aaaaggggtat acaaagaatc tatatcgctc 360
agaagcatct attgttga 378

<210> 26160
<211> 380
<212> DNA
<213> Glycine max

<400> 26160
agtcttgagt gagccaacat agagcgagtc aattttgtaa acacatactt gtaaccctac 60
tatcattttg tatagtggaa gaatctccat attggagaat tatgatcgtg tgctccatt 120
actaccttta attactaagc gtctatctta acttcacgaa gcgggaaagt ccgagttttc 180
ccaacagtgg tatcagagcc agatgggtcg acttggtgac cggctcagac aagtaagatg 240
gcggtgatgg atctcagcct tggggatccc ttgtatcgaa agtcttcctg gcggtgagtc 300
caagcagcgt gtctcgcaga tggagcgacg atgcaagtat cgtaggtagc tagagcatgt 360

aggctctaatt ggctatactc

380

<210> 26161
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26161

tgatttgtga gccgaattta gccttagctt cacttttgtt attagtcaat tgatccaagg 60
aaacttccca agaaaaacgt ccgattgatt tttttgaata ttttattcaa agatattttg 120
attattntat tattatttgt caagatattt tgactatttt atcattattc tgcttttttt 180
tggcttaatc gagattacag cgtgaatgat cggtttagatt ttgctttaac agcgattaaa 240
cgagattaca acgcaaata tgcggtgaaa atcattctat catttattac gtgagaatga 300
cttaaataaa tgtctaaaac acgtc 325

<210> 26162
<211> 171
<212> DNA
<213> Glycine max

<400> 26162

taagcttcag tcagaagctt ccagcatatg cacaattatt aggactctat cacacttcag 60
acatcaactc tattgtccca acgagttgat catggaaaat tggctcgatg agtagcagac 120
cgaattgtta caagatccaa ccgataatcc acgctgggca tcgactgacc g 171

<210> 26163
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26163

atgacccttg annnctganc cctgaaatga aacgtagcat cagnaccta tgaaactcag 60
ctggttcac tcagcaaca cttactatgc actcgtttgc tcgaaacagc ccacctatat 120
ctctatacac gcgtactggg atgccatagc tatgagcgaa ttcaagagaa tgtgtcttga 180
tactcagatg atcgattgag tgccgaaata ggacgagact ctgcgaatca aataccgaag 240

ctctgagcta acttcaacga cgaggacctt taagtctgct gattgacatg aaacgcgagg 300
tataatgaga cactcatgtg gcttgactaa gctactcatt atctttcata acaataccat 360
aatccatcga gctctgcttc tatgccagag tatataacta caccatactg atacacgagc 420
tctcggcaat ataaaccacc atcgtttttc tcagtgttgg ataggacgca acaag 475

<210> 26164
<211> 380
<212> DNA
<213> Glycine max

<400> 26164

agctttatct aaattgagag ttgtcaagca atcaatttta aaataaagac atttaatcct 60
tatattttta aaaacattta actttatttt cttattttta aatagaaaca tttaatcggt 120
tagctttgta aaattcacaa ttctaacctt tttatcaa attaaaaaaag ttgattaata 180
agaaattaac ttaagtgtat tcaaaattat attattttatt taatctacat catagttaat 240
attaatatct taaatgttac cttttcagtt tcacataaag atcaaattca ccaattttac 300
atgtgagact aaatgtcttt atttttaa ataaaaaaa ttaaatgat atatttcaaa 360
agaaaactaa atatttttat 380

<210> 26165
<211> 275
<212> DNA
<213> Glycine max

<400> 26165

tacacttgaa tagcaatagg ggtaaaaata gtaaagccag gtggttttta aagtacttat 60
tagatataaa accaatagct taagcttatt taagagtatg gtctctattg gctcagtttg 120
cttacaactt ttttcttccc tttccaatat ttccattctc tcttggatct cccaatgtaa 180
atgtgttata agtcccctgg tggcttttga ataaattttg gtactcattg gaaattttta 240
gaggtgccca ttgataatgc actggagtag aacat 275

<210> 26166
<211> 375
<212> DNA
<213> Glycine max

<400> 26166

agttcttcgtt tatatatata tatacgcccc cctaaacatc gaacttgcac tcgaatccaa 60

ccctccgaat cattacagcg tagagtttgt ctgaaaaccc tcagaatcat aaccatgctc 120

attatcttct tcaactcttct agagtccttc tcagggtttc tccttctgtt tttggacaca 180

caaccagaac aacaacgtag tcataattat aaccatgcac ctttatcgca cccaatcatt 240

ggatgcctcg aatctttcta ccataaccgc caccgtctac tggataggta caccgaacac 300

ttagccaatt ccccgacaca gaccatcgtc gtgcgccgtc tcggagcacg acgcactgag 360

gtgacggcga accct 375

<210> 26167

<211> 352

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26167

gaagagaaaa tgttcagnta taaattcatt atttggtaaa cttcattcca aatacttgcc 60

agactagaag aatggaaaaa aaaaccata gatattaaaa tccgtgtcta aaagtaccat 120

attaataaaa tagtattaat atttgagacg ctttaatttag attatccata aaaaagaaaa 180

gcgaaaaata ttcatgaaat gccgaaatca aaactcaatt attacctgag tttctttcca 240

caaaagcttg acattgctgt tttctaactc aatggaaact aaacttctt gataaaagtc 300

tgtcggtagt catTTTTaaag gaaatccatg ccagcatagc catctcaaatt ct 352

<210> 26168

<211> 385

<212> DNA

<213> Glycine max

<400> 26168

tcgctggggt ctacaggcga ttcataaaag atttatgaaa agtcgccaaa ccaactcagca 60

atctattgaa caaggacgtt gtgtttgtgt ttaatgaaaa atgogtggaa gcatttaatg 120

atctaaaaac cagactagta tctgctccgg tgatcacagc accaaaatgg gggcaagaat 180

ttgaattgat gtgtgatgca agtgactatg ccgtaggtgc tgtacttgga cagacaaaaa 240

gcaaaatctt tcatgttata tattatgccg gcaaagtgtt gaatgatgca cagggttaact 300

atgccgccac tgaaaaagaa atgtttgcaa ttgtctatgc acttgaaaag ttcagatctt 360
acttggtggg atcataagtc acctg 385

<210> 26169
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26169

taaagtgcta gactgcggtt tctataggcc caccttcttc aaagatgcgt ggagaatctg 60
tagcacttgt gagccttgtc agagaacagg cgtctcactt tcatgcagac aacaaatgcc 120
tcaacaaccc atgttggttct gtgaggtggt tgatgtccgg ggtatagact ttatggggcc 180
cttcctgtc tcttttggtt ttgcttatat tctccatgat gttgattatg tttcaaatg 240
gggtggaagcc aaagccacca gaactaacga tgctaagggt gttgtggatt ntgtagatc 300
taatatgttt tgcaggtttg gagtccttag agccatcgtc agtgatcaag gcaccattt 360
ttgtaacaga tccatgtatg ccttgctcan aaagtatgga gtcgtgcaca aaatttcaac 420
acctttccac ttccaaacta atgggcaggc tn 452

<210> 26170
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26170

agtttnatta tatcgagatg ctogaaatta aacatcggaa gctctcgaga aattcaattg 60
gtcataattt atcacacgga tgtccgattc ggggtcataa tatgtcgaga cgctcgaaat 120
tgaacaacgg aggtctctga gaaattcaaa tggctataac ctttcacaca gatgttcgat 180
tcaggagcat cacatataga gacgtacgaa caacggatgc actcgagaaa ttcaaattgg 240
cataactttt cacaccgagt tccgattcat gcttataata tattgatacg ttttgaaata 300
aacatcggaa gtcacgaga aattcaaag gtcataactc ttcacacgga tgtccgatta 360
tggagaatca catat 375

<210> 26171
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26171

gcttcatgag agagtcaaag atcaaanga gaggaataat tttagctatg ctaaataatc 60
 caacaaaggg agaaagaacg ttgtcttcga acccggaat tgggtttggg tgcacatgac 120
 aaaaganagg tttccggaac aaaggaaatc aaagcttcaa ccaaggggag atggaccatt 180
 tcaagtgctt gaaagaatca atgacaatgc ttacaaagt gagctgcccgtgtgagtataa 240
 tgtagttcc accttcaatg tctctgattt atctcttntt gatgcagatg gagaatccga 300
 tttgaggaca aatccttctc aagagggaga gaatgatgag gacatgacca agagcaaggg 360
 caaggatcca cttgaaggac ttggaggacc tattgatgan gacatga 407

<210> 26172
 <211> 396
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26172

agttttgctt ttctaattta gnagatccat gaaggtaccc taatgtctga agtttatggg 60
 attaagatgg tcattgacca atccctattt tatgacttaa caaaattgcc tagtgaagggt 120
 gtaccttttg aggggtgact gattgatgaa tggaaatttg atttctctgt gcatgatgcc 180
 cgccgggttg tttgcaccaa ccaagcggat atgaccggaa gacttcttcc cgtttcattg 240
 gcttttgaga gccgcattt ccattacctt attgctcgca tcttactccc tagatcttca 300
 aaccttgctt aagtttctga agaagatctc attgtcatgt gggcctttca taaaggttta 360
 caaattgatt gtgcacacct tgtagatat cgcattg 396

<210> 26173
 <211> 324
 <212> DNA
 <213> Glycine max

<400> 26173

ttttttgcat caatccttta tatataaaaa ataccggtat tagtgtgggg tagtattttg 60

atgagagaat agtcgtgtaa agcaaacaaa aattctgctc gatttaacag aacaagccaa 120
 agtggcagcg tggaggtttc gttggagcgc gtatgggtcca cgcgcaagta accagaaaca 180
 taaaataaag agaagaaccc gctccaactg ttttaagtcg ctcaattggt tgctgcaatt 240
 tgtatggtct gaaagagccc aatggctacc gcgaagatag gactcggagt tgggtcccgtc 300
 ccaacaacca ctccaccgagt cacc 324

<210> 26174
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 26174

tagctcatca agaatggaga aagaatgtgt tgagattgat ataaagtatg aaggcctcat 60
 cttgcgtcaa caaagccaac ttcaacaggt atttgttaca ctttgtcaat gagaaaaagt 120
 gaatctgttt ttgctgtgtc atacatgaca accctaaatc attataattt ttacacattt 180
 tagcatttca gttttcagct gtgtatttaa cgtgaaatct cattgctgcg atggatttac 240
 ctatagctgg ttgcaaaaaca acatagacca cttcctgaag acttggatta ctatgcaatg 300
 acaacattgt ctgttgaagc tcgcgaaaaa ctttccaagg tttgtgacgt a 351

<210> 26175
 <211> 346
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26175

caaaaagaat tctttaccca tcattaccat aaccataacc ataaccatca ccatcatcgc 60
 caacttcctc acgccttgta tttccatgct tggtaattcc cacacttgga tactatcttt 120
 ctttcttttt cttgggtttg ctaaagtttc tttggctgcc taactttacc ttcttttttt 180
 tttcaagaaa gaaagattga caccgctctg taattacaca cttgaagaga aatcttacca 240
 tgcttaaaaa aagttttggc tatgctatgt gattntgccg attgggagga tatataaacg 300
 attggagtac tatgggatgt taactcttaa atttctctaa ttttct 346

<210> 26176

<211> 387
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26176

 tgtttttata gagttctaca ctactctaga gttctccagg atgttctaga aaattctaca 60
 cttttctaga aagctctaga attttctaga acctctcaa tttgttattt aatttgatat 120
 ttattttattt atttgagatg tttctttgct atcttaagta ttgttttcaa ttgaacttat 180
 ttaacaaata cataatttta attcaattac gtctatatga tactttttta tattttattt 240
 accataataa ttntaatcta ttaacaatta tattttaata attatttttc agttgagtat 300
 tcaatcaact cagcttcaag tacaaagatt tatatcaacc taaacaatcc tgattttgca 360
 aagttcaaga taggataaaa tgaactt 387

<210> 26177
 <211> 277
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26177

 taatgctttc ttgaaaagct agaggggagc tactcacacc ccttcaatat gaaaatacaa 60
 aaaaagtccc tactacaaaa actactcaaa atgccttgaa atacaaagct aaaaccctac 120
 tactaaagta ctcttaactt gtacccttaa tttgtaaggt accctataaa cctaaaattg 180
 ccaaaatata aggcccaaaa gaaggaaaac ctattctaatt attcacaaag aanagtggac 240
 ccaaccttcg tccatgggct cagaaatcta cccttat 277

<210> 26178
 <211> 392
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26178

 ttgctccata tatcaaata caaccctaac tattgctgcc atttatggga ggagataaac 60
 acatcactac ttccatcata ttttaaaaca gaggggaaca gtagcagtaa agcaagacaa 120
 gaggggtgat gaaaagcttc ctactctcct agcaattatc catcgcatcc attaagaatg 180

agtcttgcta ccgacagtca ctttagaaat caacaaaata tatacttgaa actacaaact 240
 acattataag attttaacga gcttaatact gcattttata tggaaccaa ttgtaagaga 300
 ttnttgatt atataagtat cttaaattta aacaaaattc taatataaat taaaagagaa 360
 tatttaaaat aataattaag agatatatgc at 392

<210> 26179
 <211> 333
 <212> DNA
 <213> Glycine max

<400> 26179
 tcgctgggtc ctgaatgtag gcacgggctg atgtcgaacc aagatactac tcgcggtg 60
 ttgacttctt atttctact ctactaattc gcggtgagca ctttaattat cgcttttact 120
 gttggtagca ttctgaagga tcgattttta cataagtaaa gagtcattaa taattaattc 180
 aaaaaaaaa ctttcttaat tattccgagg tcacttgatc caacatgttt gtccctgatg 240
 tacgtaggtg atcaagaaaa gcatgatgt gacttcgctg gttaaagacc tgaggagtgt 300
 gaatctcagg catgaatcga tatgtatgct ctg 333

<210> 26180
 <211> 292
 <212> DNA
 <213> Glycine max

<400> 26180
 tagcttcttc tttattttgc tataaatagg ggagaagtga agaagaaaag ggttcagccc 60
 cttaggcact tctctctctc tcgaaatagc tgaggaaaat tagttccgtg aagaaaatcc 120
 aagccgaagc gttccgtaa tgggtccgta acgattccgc gagtaactac gcgaagattc 180
 tagaccgggc ttcaagatgc atcgatcgtt cttcattttg tttcaccttc aacaggtaag 240
 tacctcgtac cgagcgtttc aattcattct atgtaccgtt ggtgggccac at 292

<210> 26181
 <211> 434
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations

<400> 26181

tttgtggcta actccgacta ctgaaattga ccctttccaa caactgggtt agaggcgcca 60
caatcttagc ataccctnta ataaatcgtc tataaaagcc taccaaccog aggaagcttc 120
tcaatgcttt tactgattga ggtagaggcc actcctgaat agcgtataac ttttctggca 180
ctggttcaac tccgttgccg gagacgacat gcccaggta ctccagttgg gactgggcaa 240
aagtgcattt ggtacgtttc aaagagaact tcctganag caagagtttg aacgcgctnt 300
cgaggtgacc canatgatcc gccatttggt tgctatatac cagcacatca ccgaagatga 360
cgatgatgaa cctgcgcaga aagggttgaa agagctgatt catagttgct ttgaaggtag 420
atgggtcggt acac 434

<210> 26182

<211> 361

<212> DNA

<213> Glycine max

<400> 26182

agcttttggga gtttggggaa gaatgcctta ctaaaatata caatgagggtg ggaattttgc 60
atcaaaatag ctcccatggt tgtgccagaa gcatcagatt ccaagacaaa tgggatgggtg 120
aaatctgata tcgctaagac aaatgggaat tttgcatcaa aatagctccc atgggttgc 180
ctccgccatt agtgacttga gtttgtcaaa ggtgacctga gaggtaggat tccaaaggaa 240
ctgatcctct cgcaagagca ctatcaatgg tgccggtacg gtggcgtaac ctogaacaaa 300
cttctggtaa aaacctgtaa ggccccaaaa tccttgcaac tatgatggag atgatgggga 360
t 361

<210> 26183

<211> 429

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26183

taacagatgt gttacatcgc tntgcaggca catgttacat ttcacaaaaa gaccacccat 60
agaatgagtt ataataattta ttttcttccc tcttgacgca ttataaattg attctaactt 120
tgcagctaac cgatccattg tttccttcaa cctaaatgaa ataaacagag caattgtaaa 180

aaaaaatatc ttccatttgg ttaaataactt tttagagaac ttatccttag gattgtggga 240
 aatcatacca ccaagcaata gccaaaagat aactggaga gacatcaatc agattaaatt 300
 catttgcaca attacatcaa tcagctgata gcttctcag aaaacttatac atttcataat 360
 aataacaaca aactatgaaa atactctgca taatntttac aaaatcaatt cattattaaa 420
 aaaaatata 429

<210> 26184
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26184

tctagctttg cacatattta ttatttgctt ttagcaaaac ctgtatcaaa caataactcg 60
 tgttttttta agagtgggta atctttctaa aaacacaatt caacatccct tcttgtgta 120
 tctacctcca caatcatgaa gactattaaa gctatcaaga aagatgaaac ctgaggtctc 180
 tgtgagagaa tcttccattg ttgcttcaac acatctcaag tgagagtgc ctactcttgc 240
 aatagatctt gaactgtaat atttcataga tagaagtgc atttgcacac ttacttagtg 300
 gaataccctt attangagaa tcttcttcta tgatgttaaa cacaaaacct ttgttgtaag 360
 ttagcaagtgc gatg 374

<210> 26185
 <211> 416
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26185

tncctctaaa tntaaaatat gcaacaaaca ttgctattaa ggtacaaatg gattattcat 60
 ggctatcgca tcaaagattt ggccacttca acacacatgc cttgaagttg ttacatgaga 120
 agaacatgat gagagatctt caaagcataa aggagaacat tgaagtgtgt gaaggatgtc 180
 tccttagtaa gcaacaccga tttcctttct caacaagcgg agcatggaga gcgaaagatc 240
 tattggagct gatacatagc gacgtttgtg gaccaatgag gacgccatca catgagaaca 300
 acagatactt catactcttt atcgatgact tctcttgaat gacatgggta tattttctaa 360

aagaaaaata agaagtcttt ggagtattca aaatttcagg gccttgctga aatcaa 416

<210> 26186
<211> 322
<212> DNA
<213> Glycine max

<400> 26186

agtttgccca gagaaggaat ccacggagga aatgcttacc acctcgaaaa actggaaagc 60
ggtttctaata gactcctctg cggcctccac ataaggcata gaggatggcc agctcaccaa 120
gatgtcttcc tcgcctgata cgatgaccag atgcccttcc actacgaatt tcaacttttg 180
gtggagtgtg gagggaacaa ctcccactga gtggatccac ggacgccccca acagacagct 240
gtagggggggg ttaatatcca ttatttggaa ggaacttggc atgtgtgagg gcctatctgt 300
actggaaggt cgatctctcc ct 322

<210> 26187
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26187

tcatggtgaa tcanaggtga ttcaaaggtg ttntgttgat aacaatgatg ataacaaaag 60
atgatgacaa aggtgatgac aaaaagttca aagatcaatc aaagaacaac ttaagtgaat 120
caaagatcaa tcaaagaaca actcaagtaa atcaagaaga attcaagact caagaagaaa 180
gttttagagtc aagaatcaag attcaagggtt caagatctca agaatcaaga ttcaagggtc 240
aagatctcaa gaatcaagat caagattcaa gactcaagat tcaagaatca agagaaggct 300
caatcccaag ataagtatga aaagtttttc tcaaaaattg aatagcacat gattttttctc 360
aaaacatggt taccaaagag ttttaaattct atggtaatcg atta 404

<210> 26188
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26188

agcttttctaa aaagttatat aatattatta tctgaactca catccataag aaaccagcaa 60
 taaacaacca cataagaaac tgatctttta aattaaacaa tgacaccata ttcattttctt 120
 aagattgatt gcattgaaat ggcttcagtc taagcggttt agtaagtact cgacttcaac 180
 attttttgtg aggggtatta accattttctg gtacaagaga gaaactactg atggatcaac 240
 cttgtatgtt attcccttga catcacgac aaggctcact tcttgcccaa acaccatggc 300
 cttctttnta accctcttca ccaccatctc ttcaacgctc tcatatgtta acaatttcat 360
 caatgctcct ttgtcctgca aaaaccaaac attaat 397

<210> 26189
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 26189
 tagaatactt gttacttttg agaagttagt ggaacttggg ggtttgtcca gaactgaatg 60
 taatcttaat ggtagaaacc aaccaatata attccatgta tgggatatat ggtcattttct 120
 tttcttcttt aaactgacct aagggttgaa ttgtattttg gttttgaaaa atcttttctt 180
 ttacaaaatc taatttcatg tctgaaagtg gtttagttaa aatttggtat ttggcttaca 240
 aagttcttct tcaaacaatt actttgttct ttcacaaaaa gacttttaaaa ttatctaaac 300
 tcacaattca acttcccttc ttataatatt tttcctttgc aatccatgta 350

<210> 26190
 <211> 357
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26190

atccggtttt tgacagtttg aatatcagat tcaggagaaa ctgcagattg gccaaagatg 60
 gaagtcattc atcaagtaga agcaaggaga tatcttttaa taggattttc tctaagcttc 120
 cagtcattga ttttgatatt gacaaagaaa gagcattgaa cgtgattgac agactggatg 180
 tggtcagata atttgaaagt ttgcccgatc gcctttgaaa tgaatggaaa ggagaaataa 240
 tacatgtaga catggtagtg gggtttcctt ctgtgcatat gcaacgttct tgctgcaagc 300

gttgaatgcc atanttttgc cgcacctttg gtacttttga ttctcattgg cttcatt 357

<210> 26191
<211> 418
<212> DNA
<213> Glycine max

<400> 26191

tttcttcatg acctcctctg gggttttgta acccccttgt tttgataacc atctcttcga 60
gttggtcaga tgacgtgatt tttttaatat caaaaagctt tatttataat tctaacaatcc 120
taatctccta aatctaaatg ataagatcaa ttcctaattt ttatctaaac caattcataa 180
taatttttaa tctaaataat atccttaata ttgaaacaa ataacaaatt gttaaaaaata 240
aaccacatta tttttttttc tataactaaag atatcaaaca tatctcaaca tcaacccac 300
gtctaggcag cataggcaaa gggttcaaga attattcagc ggacattctt aatatgctta 360
atcttttata tatgaaagaa attcttcatt acaaaagcca tcagacatca tcaactac 418

<210> 26192
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26192

agtttttctc ctatttagtt ngagtttctt ttagtatctc tcgtgttggg tactgtgata 60
gggtgttttt ccacttcctt tgaaaaaccc ttgaaaatga gatatcgtaa aagttatatt 120
tttataaaat tgatgttatt ttogtgacct tcaactgaacc ccggtcacat tggcatgagc 180
agaatttcaa aatgatgtct ctttttagta gaacttgaaa caccocatag tactttatga 240
tgtaagggtcc attggagctt gtaggcctag gatcttcttc atcaatggat tcctttgctt 300
attgaaagat gaatggcagc ggaatggaga aagaagagag agaggagatg ccacttcaag 360
gagaagatga gtctagatga agctcaccac cata 394

<210> 26193
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26193

atggcctcag caaatccctt atttctataa agaaattcta tctacagacc tccattcttt 60

aatggagagg gttaccacta ctggaaaacc cgaatgcaaa tttttatcga ggcaatagat 120

ctaaatatct gggaagccat aaaaataagg ccttatatac ccaccacagt agaaagagtt 180

tcaatagatg gtagttcatc aagtgaaagc ataaccatag aaaaacctag agatagatgg 240

tctgaagagg atagaanacg agtacaatac aacctanaag ccaaaaaacat aataacatct 300

gccctaggaa tggatgaata tttcagagtt tcaaattgta agagtgctaa ggaaatgtgg 360

gacactcttc gattaacaca tgaaggaact acagatgtta aaagatctag gataaatgca 420

ctaactcatg agtat 435

<210> 26194

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26194

agtttagttc attacatacc atccatcatt gattcaatta attcaaaaat aatttgtttc 60

acgggttgcc aaatgaagac ccatatgtgc acctagccac atatattgaa atattcaaca 120

caattcgatt ggctggtgtg cctgaagatg caattcgatc gagcttgttt tcattctcat 180

tgtctggaga ggctaagagg tggttccact cgttcaaagg caacagtctt aagacctang 240

atgaagttgt tgagaaatct ttgaagaaat atttccctga gtgagacctt agaaagattc 300

catggtctat tgagaaagac actcactcat ggattctcag aaccgattca ggtcaacatt 360

nttatagatg ggtaaggcc gcagtccaag cagctg 396

<210> 26195

<211> 423

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26195

gtaggattat ggggtaccca tcacatgtgg tactttgtgg cggtcgggcg atggtgcaca 60

acaagttttc cacattcaca aatcgcgcat aaaccaccca tccccttggtg cccacctcca 120

actgagctca cgtactccca cgtagcccat ctctctggtt ctctcaacac cgggtcccca 180
tcaatcctcc caagcttccc caacatccaa gtaattcaac attcaaacia cacaactat 240
cacagccaag aaaatagggc aaaggcagaa aactatgccc aaaacaccaa ccaaatcac 300
agctnttctc acttaaagac cccagtacat ttccttctgtt ccaattctgtt aaccggtgga 360
tcgactcann aattttactg gaagtctcta gtacataagc ctacattntt gaccgtggga 420
tct 423

<210> 26196
<211> 688
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26196

cgacgagnnn naacggattg cccatcgaat ngcccctcng agcngactca tagaggctga 60
ggtanccacg ctgcgagtac ctctgagaga tcccatctca gacgtcgcac tctcgcagtg 120
ttcatgtcac agacttgtagc tnnatctnca nagaacntnc nnatctntgc gtagggtaga 180
aagtccatcc cctatctttc ccatttgggc ntntgatntc nncatantg agagactgng 240
gngcccaat cncntctnnc acncntnnct ntacntcnc tntgtggtnc ntntcncng 300
cntntgcnan tacntncacc attgnaantg gggaganana ntncnaccnc antgntagan 360
angaggaaac cnnttactn ttgantagge cctcatagna gaagtcncca cgctccttct 420
ccattatgaa gagtccccc acccatagca naagcctctc tcatttcaat gccgtngtat 480
cacgaagcca caacgaagcc ttctagagta ggttgctcc ttaaactc cattatatatt 540
gtttgttaga ccaacgtggc ctcatatctc ttacagaagg gggnggttga attaaagata 600
ttccaaacta cttccccaat taaaaatcta tttactttt tattcaagtt ataaattccc 660
ttaataatga acttcttaaa tattgatg 688

<210> 26197
<211> 420
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26197

tctatcaagt ggtaatcaga gcacaagagc ttcattttgt gcttcttaaa cctccattaa 60
 tttcttgctc taccttctct tccattgttg cttcttcatt tttctccatg tatctcctca 120
 catgtcttgt gctaaatggt gttaatatga ttcttttagag tttccaccga ttaaacttgc 180
 taaagaagct aaatttgatt ttctatgggt caaatctctt gttcttggtc ttgaaccatg 240
 aattgtgttg agtttaggtt cctttgagtt ttgtgttggt attttttgtg gctgaaaccg 300
 aaaccataaa tatcttacia aaatattaaa gtagaagaaa acctcanaaa tctagagtga 360
 cttgttcacc tattgtagtt ctgtcataga agtcatgtct agtcatgaca cttgtctcat 420

<210> 26198
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 26198

tatgtttgac caggaattat ttggatgggt tggatgttga gttcaagttg ttcttgggtg 60
 ggagatgatg ggacagatgg tgaaccagaa gctgcagttt cttttgatga ggtagccatg 120
 gaaaagcaca tcgtttggaa tgatttcgta aatctcagaa aactattggg aaatgctgat 180
 gaaaacacga atgtcaagca gatatatatt tgaatgagga atgtagaggg ccgtgtgaag 240
 caacggtcga attttccttg gttcagtagt gaacgtgcta ttaatgctaa gtgattcgtt 300
 tgggcacggt catattgctc gaattgctat aattcctcta tcacacaaat gccc 354

<210> 26199
 <211> 201
 <212> DNA
 <213> Glycine max

<400> 26199

ttgtttctat ccaaattggac ttaccttgaa ttaattcctt tgatagcccc tttgagccta 60
 tgttccccct tctttgtttt gaagctcatt acaagcctta agtgaaaaac catgatacca 120
 ccttaccctt aaggatattt ggagcttttg aattgttttg ggaataagtg tggggggggg 180
 tatgtatcat tggaagatat g 201

<210> 26200
 <211> 326
 <212> DNA

<213> Glycine max

<400> 26200

gtttaaagag agatgttgag gacgaaattg aaggaataaa agagggagag aagtgggaact 60
ttgaagtatg tctcacaaga gtctcattca tcaaagttac aacaagtgtt acacatgctt 120
ctatttatag actacgtagc ttccttgaga agctttcttg agaaaacttc cttgagaagc 180
tttcttgaga aaacttcctt gagaagcttc tttgagaaaa cttccttgag aatctagagc 240
ttagctacac acacccatct aaaaactaag ctacttcct tgagaagctt ccttgagaag 300
ctagagctta gctacacaca cccatc 326

<210> 26201

<211> 329

<212> DNA

<213> Glycine max

<400> 26201

ttagtttcta tccaaatgga cttaccttga attaattcct ttgatagccc ttttgagcct 60
atgttcccct ttgtttgctt tgaagctcat cacaagcctt atgtgaaaaa ccatgatctc 120
accttaacct taaggaattt tggagcttcg gaattgtttt ggaataagt gtggggcggg 180
gggttgtagg ataacatggt ttgttggtga tgcttcatga tgtatTTTTg ggccataatg 240
atgtacatcg tatatgggtt aaatgttgga catgctgctg aaagatatgc tagatctcaa 300
atgctactgt gcaaaacaat aacaaaatc 329

<210> 26202

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26202

tgtagaatgg ctagacatta tacatgtcan ggcttgTTTT ggttcaagga taaaagggat 60
gccccacatt atttccatga cacaaatgca aaaatgatga tttggaaatt ttatgcaaaa 120
ctggtcatgc atgcacctat ggggacgctc aagtgtcaaa tttttatggt catgtgatgc 180
tagggctcaa gattcatttc ctctatttta aatcaacca atgtttccaa aatatgttct 240
tttatcaatt tgtgcattcc tccaagtcca tttcggggcgt ccgggggaaat tttcacagca 300

ttcacccttc aggggtagac acgtttcttt tcttctaaaa tcgggttatga tccaatgaat 360
 tttttttntt ttaaagaaaa gttgcaaacc atctctcttc aaagcatatc gggttttt 417

<210> 26203
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 26203

tttgctagct tgcagtaaaa aaattattta taatcttgat catttaaata taattgtata 60
 ttttatataa tttttatttc tcacaatatt taagtagttt gatgagagtt gcggctagac 120
 atggcaacga gatggagcgg agatagatat tgtctctcta gtctttgaac ccaactcccc 180
 aacatatact cgtaccogtt tctgataccc gacggattaa aatttggttat cccatccogt 240
 aactgttgty tatcgagtat cctgtcttgt tccgtttcaa tttagatttg taaaaaaaaa 300
 tttgtaaaaa attatattaa aaatcagatt aaaaaaattg attgttacac atttattttt 360

<210> 26204
 <211> 412
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26204

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 ctttgcttct ttgagcacca agagattggg gttgttcaaa atttgaaaac ataccagta 120
 gtgcttttcc tatcatcctt atcaccacac caatctgaat cactataacc aataacttct 180
 ccttctatat tcttctgact gtaaggatat aaaatgccaa gatccaatgt tcctttcaca 240
 taccttagaa tcctctttgc tgctaggaag tgaggtgtct ttggtttctc cataaacctg 300
 cttatcaacc caacacaata agcaatgtca agcctgggtg tacatatgta cctcagtgag 360
 cctacaactt gcttgtaaaa ggtangatca acttctttct catccnctc ta 412

<210> 26205
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26205

ttagtttcta gagaaagcta catgaagctg cctcggtaaa aacgcttccc agccttcatt 60
aaccgttgga tcttctcgaa atttggctctg caacttcaaa aaacaatttt ccatgatctg 120
accgttgga tctttgagaa gttgtctgga gtgtgctaga agcctcttaa tgaagcttct 180
ggaggaagcc tcttaatgaa gcttctagag aaaactacat gaagctgcct cggtagaaac 240
gctgcccagc cttcgttaac cggttgatct tctcgaaatt tggtttgcaa cttcacaaga 300
cactttacca tgatttaacc gttgggatat ttgagaaaat atctggagtg tgctagaagc 360
ttccggtccc gagagcatat cttattta 388

<210> 26206

<211> 306

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26206

tgctctanat ntacattgat gtttgtatth atgggttttag gttgnatgtc atttttgttt 60
taagaatagt atcccactgg taaaactaac tttccaaatg tttgccttcg caggaaatgg 120
ccccgagaaa gcttgccctca aagaggtcca ggaaggacaa ggcagcagaa ggaactagtt 180
ccgcttcgga gtatgatagt caccgcttta tgagcgcggt acaccagcag cgcttcgaag 240
ccatcaaggg gtggtcgttt ctccggggagc gacgcgtcca gctcaaggac gacgagtata 300
ctgatt 306

<210> 26207

<211> 380

<212> DNA

<213> Glycine max

<400> 26207

agtttctatt ctcaatttcg agtgtctoga tatattacgg gactcaatcg gacatccgag 60
taaaaactta ttgtcgtttg aatttgctta gagcatatat tctcaatttc gagtgtctcg 120
atgtattacg tgactcaatc gaacatccga gtaaaatggt attgcagttt gcatttgcaa 180
caagcttctg atttcaattt ggatcgtctc gatctatgat gggactcaat cggacatccg 240
agttaaaagt tattgcggtt tgcatttgct acgagcttcc gctttcaact acgagcgtct 300

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26210

ccagccgccc ccaccaaaga taaacaaaac aggcccggca acgacaacaa acancaagcg 60
gaattgagct gaactcaaca caggcaancc accgccccgg gaccctaacc gccgcagcat 120
cacctgcaca gagcacaacg aggacaaaaa ggggacacga agaggggggcc ccaacccaag 180
acaaaaggga agagaagaac cagacggagc ccaaagacga cagacccaag gaccacaccc 240
gggccaagcc aaaaacaaga caagcacggc gcgacaagcc cccaagaaaa cagccagaaa 300
agcaccgccga aagacaacgg aaagcaaagc caccaccacc cccccaaaac aagccacccc 360
agaaaaaccc caaaaacacc gaagaaccaa cgaagcacca acccacaagg ggaagccacc 420
cgaagagaac agagccactc c 441

<210> 26211
<211> 165
<212> DNA
<213> Glycine max

<400> 26211
aatgtggtca cctgataaaa ctatagctgg gtgagatggt aggcgctccc gataacatgg 60
catactgacc gcaacgtagc ccattatgac aatggacaat actgagacac tcacctaaaa 120
tgagtgagat gtccctgagtg cccactttat atgctagaaa tgtgt 165

<210> 26212
<211> 426
<212> DNA
<213> Glycine max

<400> 26212
gcttgatcac agtggaaatt tgttggttct aatagtaaat ttatgcactt atttgtgtgt 60
atatcccgga atattgcatg tgtacacagt ttgatgatat gttatgttac cgcacagttg 120
ttaattgtct tttcctttct ctgggtacat atatgcagtc ttctatatatt gcatagcaga 180
atgccatacc ataaggactt acatttccaa tgtggcggtc atattaactt ttactaaggc 240
aatatgtcta tacagcatgc atattcattt caaattaaca acatatgagc aactcgctta 300

tagagcataa tagtcacata tagaactcat accagatcct gaggccaaag tactggccta 360
 ggaataatgc tttacatcta tattttcaac aacaatatgc ctaacaaaac ataaaccaac 420
 aaatga 426

<210> 26213
 <211> 401
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26213

agctttatga tgttgtatcc aagcaatddd gatgatgcc aaagcccaa tgattgattc 60
 aagattgatt caagacttca agatcaagca tcaagaatcc aatccaagat tcaagattga 120
 agagaagaaa tcaagacgca acaagtcaag acttcatata ggataagtat taaaagattt 180
 tttcaaaaac caaatagcat agtttgtgtt aacagaagaa tttttctana ttttctaaga 240
 taccagagtg attactctct ggtaatcgat taccagtgac tagtttggtt ttcaaaatat 300
 tttcaaattg tttgcaacgt tcagaaatga ttttcacata gtgtaatcga ttacactata 360
 ttagtaatcg attaagtga tctgaacatt ggaattcata t 401

<210> 26214
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26214

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 aaaatccccg atcaaagatt ggaggaaaga aaaaatcccc gatcaaagat taaaggaaag 120
 aaaaagaaga aattccccat caaagatccg aagaaagcaa acgaaaaaga aaattcttga 180
 tcaagattgg aagaaagtaa aagaaaaaac atacagaaag gtcattggac cagacaatgt 240
 ctgaataatg tacaaattgt cagcagcaag aaagacaaga aaagaaacca tgacttgaga 300
 cgcttgaagc aatccccctt ttggttacca accgaatctt tgtgcccacg tctctttcgc 360
 gccatgccca aaagaaaaca taaaaggana aggtcaaac acttagagcc aaattcccca 420
 ccaaacatac cattccaaa 439

<210> 26215
 <211> 402
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26215

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agcttgtgta ggctccatct atccatgttg nctctcccta atctcatgca tttgtattca 60
agtggctgta gaatgtagag agattgaaat ccttaatgtt cattcaaaat ctttgtgacc 120
caaaccatag tagaattctg agtctacact ggaagagagg gtctgggcac ttcattgtttc 180
ttcttcatcc gttgctcttc tataacaatt ttttctcct ctttttgttg atgggcaggc 240
tttttggttt ggacctttcc cttctgctcc ctaaggatcc ttttaacctt catagcaagg 300
ccaaaagttt ccaaagcctt gtctttatta gcaatagcct tggccagttt cttctgcctc 360
ttttgccgaa tgtcatccta gttcactaga ggaataagta tg 402
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<210> 26216
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 26216

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actcaagctt cctatgtgca ccagcaaatt aaaaaggcta tgtgggttgt ttgactgatt 60
atattattagc aacaacttgt attctgaact taattatata tatgttttgg caacatacta 120
tcttgtttca tactactaag tctctttctt aatttgacgc atttgaaaca taaatacttt 180
gatgataaga gaacaaaagt tcaactgctta attgacctca tgtaaatttg atttaacaaa 240
tccatatgat cagtcctctc aaatcatttg tccattagta ctcatcgat catttgagac 300
taaatatgtt gattgttgaa gagtgaatgt actacttact tctgaataaa tgatttttca 360
aacttccttt ctgcataact cacaaagtag aaacttgttt ttacaatcgg tgcagtaaac 420
aataagtttg accatatttt catggg 446
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<210> 26217
 <211> 397
 <212> DNA
 <213> Glycine max

<400> 26217

ttatgcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggg 60
 gagcacgaaa ttgaaggaag aaaaaaggag agaagttgaa ctttgagttg tgtctcacia 120
 gactctcatt catcaaagtt acaacaagtg ttacacatgc ttctatattat agactaggtg 180
 gcttccttga gaagctttct tgagaaaact tccttgagaa gcttccttga gaaaacttcc 240
 ttgagaagct agagcttagc tacacacacc cctctcataa ctaagctcac ctcttgaga 300
 aacttcctta agaagattcc taaagaagct agagcttagc tacacatacc tctctaatag 360
 ctaagctcac ctcttgaga tgagaaacta gagctta 397

<210> 26218
 <211> 290
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26218

tctagccaaa tggacttacc ttgatttant tctttgattt cccttttgag ccttgtttcc 60
 ctttccttgt ttagaagctc actacaagcc ttaagtgaag aaccatgata tttccatatt 120
 ctttaaggaat nttggagctt tggaattggt ttgggaataa gtgtgggggg tttttgtttc 180
 attggacaac ttgttttggt ggctatgctt catgatgtat tctggggccat acttgatgta 240
 cattgtatat tgggtaaatg ttggacatgc tgaatgaaat gttgtttctc 290

<210> 26219
 <211> 398
 <212> DNA
 <213> Glycine max

<400> 26219

tctagcttgt ttctgttttag agtttaattt ttctagcaat ctattactcg tttggtttgc 60
 tgcaacccaa cctatatatt gaaggattaa tgtgtatagt cgcgtgcttt ggtttgagaa 120
 aagatcatga tatctttggt gtgtgctttg gttcaatata aaaatacaat gcgtatagtt 180
 gtgtgcttct ttgctatgct ttgaagtttg caatagaata ttaccctcat ctgtagaatg 240
 actatgtgta gcttcttcaa cacttttcat gctatttcaa ttccttgac tgctaagaca 300
 gagtcttcat atgcctcgga tttttatctc cttgccaaat aaggagccta agatgctttg 360

gtttaatact tttagccttaa gcatgtgata tagaaact

398

<210> 26220
<211> 221
<212> DNA
<213> Glycine max

<400> 26220

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gtagaaatgt gcatcataat tctgcacaag agcataaaaa tccatgtatg tgctgagtgt 120
ggaaagagta atgtacaatg agttctggat gtgtgctagt agatcccaac agtcgacatg 180
tacgcttatg cactatagac tttcaacaaa atggtggagt c 221

<210> 26221
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26221

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taaaaattta ttgtcgtttg gattgggtca gagattcaac attcaatttc gagcgtctcc 120
atatattacg ggactcattc agacatccga gtaaaaagtt attgtagttt gaattagctt 180
agagcttcaa caatcaattt cgagcgtctc gttatatcac gagactcaat cagacatccg 240
agtaaaaagt tattgttggt tgaattgggt cagagcttcc acattcaatt ttgagcgtct 300
caatatatta cgggcctcaa tcagacatcc gagtaaaaag ttattgtcgt ttgaattggc 360
tcagagcttc ancattcaat ttcgagcgtc tcga 394

<210> 26222
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26222

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aacgagacgc tcgaaattga atgtcgaagc tctgagccaa ttcaggcgac aatatctttt 120

tactcggatg tctgattgag gcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180
ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga atcctgtcgt 240
atatcgagac gctcgaaatt gaatgttgaa cctctgagcg aattcaaacg acaataactt 300
tgtactcaga tgtctgatat gggctcgtaa tatatcgaga cgtcgcgaaat tgaatgttga 360
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<210> 26223
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26223

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tctctttttt atagatgatt ctttgataat tactgtcacg taaagataat cttattttct 120
attttatctg ctactggagg caatacatct ttagtggctt ttcgaataca cgaggcaata 180
catttctgtg ctggttttga caaggtaaatt tctttcgggg taagtgaggc actgatgtgt 240
ttttacattc tataggatct atctaaataa aattgtctaa tgtcttaatt cagccagcaa 300
aaaagttgaa tgtgaaaggt gggctcaaag atgcatgaag gagagaagaa tcttatccac 360
acacatgcac atcgaaggag aacatgtag tctcatccta 400

<210> 26224
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26224

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cctttccttg ttttgaagct cactacaagc cttaagtga aaaccatgat atcaccatat 120
ccttaaggaa ttttggagct ttggaatcat tttgggaata agtgtggggg tttttgtttc 180
attagataac atgttttgtt ggccatgctt catgatatat tttgagccat acttgatgta 240
cattgcatat tgggttaaag ttggacatgc tgaatatgat gttgtttctc aaaggctaca 300
gagttacaaa aaaaaaatat ttaaaaaaat tgaaaaagaa aaagaaaagc aataaaagtg 360

agtgaaataag atcttaaagt acacaagaat gatgagactc ttggntctac tctctatggt 420
 taaatt 426

<210> 26225
 <211> 301
 <212> DNA
 <213> Glycine max

<400> 26225

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 cctcataggg cacctgagcc ccattttttac cacactctaa accctgagaa aactatatta 120
 tctactcaaa aggcacattt gtctatatta gcatagacgg tatcttatgct aaggactgaa 180
 agaacttgcc tgagatgtac taagtgatca tctaggtctac tactatacac tcgaacatga 240
 tgaaagtgaa aaactacata tctacctatg aaagacctta tgacatgacg catagccctc 300
 a 301

<210> 26226
 <211> 299
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26226

ttggaacttt gagcttggtt tgctactttt aaaagttgga tccaagccta gctctagacc 60
 ctgtggcatg gatgctgccg gctacaacaa tatgctggct atgctttggg agaatgcgat 120
 gctgacccaa gccgagacct tgatcgaaga actctgctct aaatctttga gccccgatgt 180
 gccactcat aggaccttga ttgaagtcta cttgagaatg gacaggatcg atgatgctct 240
 cangattttc cacagaatgg ttgattctag gctcaggggtg gttgctacct ttggtaaca 299

<210> 26227
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 26227

tttagcttaa gtcctacaa ctgcacaagg ctcttaatgt ttgaagagta tccttgagga 60
 accttcaccc gactaagaca ctgacaaaaa cttatcttct ccttttttga caaggatggt 120

caagctaggg gcaagtaaatt tttcttccca ttaaacccttg gatgcaactg tgatcgtatg 180
 cccatatcaa ctagatcttg acaggtattg aagccatgct tcattcttgcc ttgaatgtta 240
 aggagagtac caatcacact atcacaaaca tttgtctcca catgcataac atcaatacaa 300
 tgtctaacat cgagatcaga tcagttcgaa agatcaaaga taatggacct attcttccat 360
 atgcaactc 369

<210> 26228
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26228

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 ctcaaaagtc aagatcactt tatactaaca aagatgatga cattcaagaa tgagtttaag 120
 aatgagtcaa taacacttca aagatcaaga gtaaatttga tttcaagaat caagattcaa 180
 gattcaagaa taatcacgat caagattcaa gaatcaagag aatacttaat caagataagt 240
 attaaaaatt ttttcaaaac attgagtagc acatgaagtt ttcacaaaat cattaccaga 300
 gagttttact ctgaggtaat cgattaccag attatagtaa tcgattacca gtgggttttaa 360
 aatgttaaga ttttcacaat tcaaaatgaa gagtcacatc tgggtgatg 408

<210> 26229
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 26229

agcttgctaa cttatggaag ctccctaatat ctccacact ttttaggggtg ggccattctt 60
 ggatggcctt gattttctca gagtccactt gaacccatt tttaccaact ataaacccta 120
 agaaaactat attatctaca caaaaggtag atttctctat atttgcatag aggggtatttt 180
 tccaaaggac tgaaagaact tgccctgagat gtccctaagt atcatctagg ctccactat 240
 aactaaaaat atcattaaaa taaaaaacta caaatctacc tatgaaatcc cttaaagacat 300
 gatgcataag cctcaciaag gtgcttggtg cattagtgag cccaaaaggc atcactagca 360

attcatacaa accaaacttg gtcttgaaag cagttatcca ttcata

406

<210> 26230
<211> 422
<212> DNA
<213> Glycine max

<400> 26230

gaatggaggc tctgggtctct tggtgaaact gcatgttttg catagtcttt tgccttatca 60
agttcttcaa gggaagggtc cggaggagcc tcaactatct gttgtttctg gggctgttgc 120
tgcttctgtt gttgttggtg tagctggatt ggtggaggaa catctgggtc gcttgggcca 180
gcagcattat gaaaataagg ctattgttgt tgctgctgtt gtgaaggact caaccatcta 240
aggttgggat gattcctcca cccgggattg tacttgctgt tggagaggtc ataattgttc 300
tgctgtggtt gattctgctg ctgaggttga ggaggtctat tgtagatgtt tgcagcataa 360
gctttaggct gttcaattgc tccagattgc tgcacaaaag ggcaaaggtc tgtatggtgg 420
tc 422

<210> 26231
<211> 267
<212> DNA
<213> Glycine max

<400> 26231

acgtgcacat gcaacaattg atagtccggg ctatacgaga catcttgcca aacaaagtca 60
agttcgccat aactcacctg tgctttttct tccatgctat atgtaacaaa ggcattgatc 120
ctgtcaagct tgacgagttg gaaaaagacg ccgcgattat attgtgccag acggagatgt 180
atttcccccc cgctttctat gacatcatga ttcacttgat tgtgcatctg gtcagagaaa 240
tcaaattgat ctgcctgttc atctatt 267

<210> 26232
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26232

atctaatacat tccaatccac aaaattatca attgttattc aaatcattct caaacactca 60

tttcatacaa aataatccac tgcataatcaa attcaaccag ttcactgttc aaacacgctt 120
 tttgtacaag caaacaactc aaagtgccaa aatttaaaga actgaaacat aaacattgaa 180
 atttaaata ga ctgaacataa atcataaaat aactgaaata aactaaaatg ttcaaaatgc 240
 acaaatttaa atgtcctgct cctgtggttg ctcttgtgca tgctcattaa gatccaacac 300
 ctgagcaact ggtgaatcct gagagatagg ctgctctaac tcagatgctg gtgcagatgg 360
 tatgacatca tcangtatgg gtgctgcgga tggctctggg atctggt 407

<210> 26233
 <211> 278
 <212> DNA
 <213> Glycine max

<400> 26233

agctttttga aattgccatg tttggatgag tcagacatac ccattctatt ttaggggctc 60
 tgtaatgacg ttcgtgatgc ttatatgctg aaattgccta tggaaaactg ctagagatga 120
 atggtatagt taacctaggg ctacaaagtg agaatatggt gttgtgagtg gaacaaaagg 180
 tgatgctctt acagttggaa cggttcagtct gaattctgtg gtaaattggaa gttactatga 240
 gctaataccta cctggagatg ccatttaaga catgtgag 278

<210> 26234
 <211> 428
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26234

ntctcccacg tgctatatga catttcacgc tagtattatt ttactttaac ctccatttac 60
 cacagagttc agacttaacc ttccgactgt catagcctca cttttttttt ccaactcataa 120
 catcacattc tcactttgta accctagaga aggactaccc ttcactctcta acaggattgc 180
 atcagcgatt tcagcatata aacgtcacia acatcatcac aaaaacccta agacagaatg 240
 ggtatgttga actcatccaa gcatggcgat tacaacaagc tatcaacacg tttgttcaca 300
 aataattacc atgaagcaga aaactaacag aactacctat catatctccc acaagcccat 360
 acccacgaaa atcaaaggag aaagaagtcc acccaaacct gaaatttcga agtcccactc 420

atagacac

428

<210> 26235
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26235

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tgtaatgatg tttgtgatgt ttatatgctg aaattgccta tggaaaactg ttagagatga 120
agggtagagt taacctaggg ttagaaagtg agaatatggg gttgtgagtg gaaaaaagg 180
tgaggctttg agagttggaa ggttaagtct gaattctgtg gtaaattggag gttaaaatga 240
gttaatccta gcttgaaatg tcatttanga catgtgagaa aggttaggct gagctagaga 300
gaaaaacaaa tgaccaaagt gaaccaagag ccatttctag ggcaaaattg ggtggtgaag 360
agtcaaattn tgattcgggtg gaaa 384

<210> 26236
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26236

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cacagaattc agacttaacc ttccaactct caaagcctca ctnttttttt ccaactcataa 120
catcacattc tcactntcta accctaggtt agttctaccc ttcattctcta acagttttcc 180
atcagcaatt tcagcatata aacatcacaa acatcatcac aaaaacccta aaacagaatg 240
ggatatgttta actcatccaa acatggcaat ttcaacaagc tttcaacacg tttcttcaca 300
aataattacc atgaagcaga aaactaacia aactacctat catatctccc aaaaccccat 360
accacgaaa atcaaaggag aaagaaagtc caccacaacc tgaaattcga agtcccactc 420
atagaca 427

<210> 26237
<211> 408
<212> DNA

<213> Glycine max

<400> 26237

agcttgccctt gctccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60
ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120
tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180
tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctgaatttca 240
aaatattttt gaaagtttgg caacgcaagt atggggcatt agttagcttt tgcttaagaa 300
cattgaaagc ttcttcttgt ttctctcccc atttgaaacc agcattttttc ttgagcactt 360
cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctat 408

<210> 26238

<211> 417

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26238

attcaaacga tgataactnn ttactcggat gtctgatnga gttccgcaat atatcgagac 60
gctcgaaatt gaatgttgaa gctctgacca aattcaaacg atgataactt ttactcggga 120
tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga agctctcagc 180
aaattcaaac gataataaat ttttactcgg atgtctgatt aagtcccgta atacatcgag 240
acgctcgaaa ttgaatgttg aagctctcag caaattcaaa cgacaataat ttttttagtc 300
agatgtctga ttgagaccgg taatatatcg agacgatcga aattgaattc tgaagctctg 360
agctaattca aacgacaata acgttntgct cggatgtctg attgagtcct gtaatct 417

<210> 26239

<211> 400

<212> DNA

<213> Glycine max

<400> 26239

tctagcttct tgctcagatc cctcttggtg gactatgccc aattgacaca accctcttag 60
gttttagacta acttaaaactg agtttcgtcc gtagatccct cttgtaagac tagactcagc 120
tcaagcagct tacgaaagtt tagcctaatt tagcctaagc ttcacccgca gatccctctt 180

gtaagactag gcttagacta aacagcatta ttgtaacaac ataattaaaa ccaaaaactta 240
atccacaaat cctctttgta agactaagtt tcgatcctgc ttcaatcaag ttctaaggca 300
atggtacatt tctcaatgct aaagtcacct aactatgcac acaaattggat gatctgacca 360
aaagcattca aacattaagc atggaaggaa gcattgaaca 400

<210> 26240
<211> 357
<212> DNA
<213> Glycine max

<400> 26240

taaatatgag cagatgttat caaaccttat acagaatcat ttactatgaa aagtcattgc 60
attgaagttg atgctgattc ctttctttgc tactaacaga taagctactt attgtaaatt 120
atgttttctt taataccttt ctattaatgg tatttggtta caattacaga catgtacaca 180
gtgaaattcc aaagatgaaa acttcctcat gttcattcat tggtattctc acacgccaaa 240
aacgaatatc catctgcgaa cgatattgat catattatat cagctgacat acctccacag 300
gaagatgadc caaaactcta taaattagtg taaaatcaca tggtcatgg tccatgt 357

<210> 26241
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26241

tcttgctttt tcatttttnt anngacaaat gctaatgcat aaactaatgt agtaactctt 60
ggctttggtt taaggcttat ttaacttttt aacaatttca agctaaatct ttaatgaaaa 120
atattttaca gagaaattga gcgtatagac gagttacgag atacataaag aaatattata 180
attaccttaa ggtaaaaata tttatatcat cggcatcttt tggttaccat gatggaatca 240
attaatatta caagactata tatataaata ttgctatata cgtataagta aatgtgctta 300
cttactacag taaactctac ttgaaacagt aatttgagag cattaattga tatcgagagc 360
gtactta 367

<210> 26242

<211> 383
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26242

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 tttttctgtt gggatatccca aattgactaa tgatatattc atatcatcaa atgatgtgag 120
 atctccaaca cacccttcca ttatgaggac gggatgtctc aagcatgaag tttgcagaac 180
 tcaacatatg tagttgggtc gataacagcc tgagtggccc aatgagcggc ccagtgatcc 240
 caagaataac tactactact actaggatag gctatgttat ctagatttct gttattctaa 300
 tttcaatttg atctatgtaa acatagagta ttttgttctg tcttttgaat atttataaat 360
 caagtagaag atatgatgtg ata 383

<210> 26243
 <211> 478
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26243

agaattatgc tgaacttcaa gcactnggag attggacctg cggaccctgt gaagctctac 60
 agccggcctg caagcttgtt gcatttttca tgtgcggatg atacagacct acccgttctg 120
 ttagacggat ttggtatccc atgaagcaact aggatgcata agcaagaagt cgtgtacgct 180
 atgaccacta aaatgaggcg gttaaaatac tccctcgcca caaaatgaga atatgctgac 240
 tctaattggc aacatagaca tgatccttta gttggatagg gtctacatac acctacttgg 300
 gatggatgtg ccgaatacct catgctacct agcccctaac ttgcagacat gatagacatg 360
 tgatgcatag ctactgagaa taacacatga tcatgccgta ccaatatgca ttgctacggc 420
 aatatatgct gcatgacagg cgatcttgat tctgaggaag atatgcgaaa tacaatgt 478

<210> 26244
 <211> 107
 <212> DNA
 <213> Glycine max

<400> 26244

taaccctatg tcattactac cctacacctc taaccgtatg gctcgtctga acatccttat 60
acacatcaga agagcagtcg ccaagcccta aaacagaatg cgtatga 107

<210> 26245
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26245

cttgtcactg tttcgcagcn ngaagcngac ccaatagagt cgaatgagct cgtgccgagc 60
tgagaccacg acatgtggcg agatgacgct agagacctcg attggatact aaagggatat 120
tgagaccata gggagtaaac ggagaacatg aggcggtgac gtgtacacac cttgacagat 180
tcaagattgg atacttaagc cagaatgacc ctctgaatgg cagttaaacg aggtgataca 240
aaactgcatt gtcgactaag actacttcgt aagggtccgc gcatccatgg aaaagaccct 300
atgacccttg aacacaaatc cctgtatgtc ggctagattg gtgtgtagca taaagagact 360
ctctgttgca cgtaatgcac accgataatc caatgt 396

<210> 26246
<211> 318
<212> DNA
<213> Glycine max

<400> 26246

aaaaatcaaa ctcatgcttg cccgctactg acgcactata gatatgcaca cataacggca 60
cattccactg gcaaccctaa gaacactacc ctccatctat agcagctttg catctcgatt 120
tagcagataa acatcacaga catcatgcaa aaaccctaga cagaatggga taacaactca 180
tccaaacaga ggaagtgcac aagctacaac acgcttcttc gcaaagaata accacgacgc 240
acacaacgac aatataccta gatatctgaa aaaccccata cccacgataa gacccgagaa 300
agaatccacc caaacctg 318

<210> 26247
<211> 397
<212> DNA
<213> Glycine max

<400> 26247

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 ctaaaattcc agtctctcat ggctcgtcta agcatattga aattaagttt catttcctaa 120
 gagattagat aaccaaagga aaaatcaagt tggttcactc taagacagaa aatcagttgg 180
 cagatatctt cacaaaagcc ttgaagatag acagatttaa ggagctgaga atcatgatga 240
 atattctaga gcttttaggtt attgtctgtt gttggaatat tgcattttga atcatggggg 300
 tgttagaaat aattcataaa tgtaattacg ggtaaatgaa attatggatt ggtaagtaca 360
 tataaataag tactcttata ttgtaagaat agagtgt 397

<210> 26248
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 26248

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 tcttagatcg atcgttgtcg atcattgtaa tgatgtttga ttaaattaat aatgtaagat 120
 caattaagta gcaaggatgt atgttgttta gtttgaata ataatatggg atgaattact 180
 actgccaaact cgtgataagt ggtaaccgt gccttttga atcttttagt tgagtttatg 240
 cacggaaatc aagcgtgtcc gtgaaagggt aaagggtgaaa gggatccac cttgtttcta 300
 tttgtatctt ggatgcaatt acgatgatgc caaataaaga atcacttata tatggatacc 360
 ccaatatact ttacatatct agtggttctac attttcttac ttccataaa 409

<210> 26249
 <211> 61
 <212> DNA
 <213> Glycine max

<400> 26249

tactggactc cctgcaacgc ttacaaagggt ttttaacaat tgcaagcgat tactaccacg 60
 a 61

<210> 26250
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 26250

tttagcttat gcattctttg agggaacccc taagttgtcg catgatttca tgggcaattg 60
caacccttta aggttggtgc ttgttcgtcg ttgcctgatt cttttcttcg aggaaaatcg 120
ctaaccttat gggttatgga aatcccaaac ccgtaagctt tttgcctcat cgtcatcgcc 180
tagttggttt ttagaagcaa gagtgtcgtc ctgtttgggt gtccgaggtg gtggttgaaa 240
aacgtggttg tcgcctgaag cacgtcgtcg tcggcactgt tcccatggaa aggagttcct 300
cgccgtacac ctcagagtcc tgaagtcgcg tgatgtgttt gtgtaacata aaggctccac 360
tggtgacatc gtggactaag gataatc 387

<210> 26251

<211> 409

<212> DNA

<213> Glycine max

<400> 26251

tgtagataac actgcggctg taacattcaa tgttgactct tttccaacct ccgtcacctt 60
tgttgtccaa attcctttga tctctaagta catcagtcaa tacacgttcc atttccaaat 120
tccatgtaaa ataacttctt gtttctcat tattttttcc taaaactttt cttttgtccg 180
tcattttttc attagatgac tccattgaag ttaatgtcac ttattcaacc tgcacataac 240
tagtagatat gacctacttt attcatttga ctagtccact tcacaatcat agaaaatatt 300
tcaagcaaag tttttatgca atagcaaagt acgtaaaagt ctatcttcaa tagaaaagta 360
caatagaaac aaagcacaca aagtttgtcg gcaataacaa attacattt 409

<210> 26252

<211> 407

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26252

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aaaattaaaa gatgtaactc ttccaaagggt tttcaagttt ttctaaagggt tataactctt 120
ctaattggttt tcttgaccag acatgaagag tctataaaaag caagacctta acttgcattc 180

ataacattat tgaagacatt gattacaatc ctttacaacc tttgaatctc tttgaacatc 240
 ctcttgaatc tcttcttctt ctttcttgt caaaagtttt ctgggttttcc caaacctga 300
 aaacaaaact tgtgctattc atctttttca ttcccttctc cctttgccaa aaagaatttg 360
 ccaaggacta accgcctgaa ttctttntgt gtctctcttt tcccttt 407

<210> 26253
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26253

cttcatgatg atgaatcaag ttgattcaag ttgtntgtt gttaacaaag aatangacat 60
 tcagctcaaa agaattgattg caagattgag tcaacaagtt caagattaag ataatgtca 120
 cgagaagaat caagaagatt caagaatcaa gagaagcttg atttcaagat tcaagagaag 180
 aatcaagat gacctcacat gggaagtatt gaaaagattt aaaaaaata aacatacata 240
 gcacagtttt gtttttcaga agagtgtttc tcacaatttt ctaagttacc agagttttta 300
 ctctctggaa atcgacttcc agtttctgt aatcgattac cagtggaaaa gtttgatttc 360
 aaaagctttt aactgaatct gaaacgttcc aattggtttt taaatgggtgt aatcgattac 420
 aatatattgg taatcgatt 439

<210> 26254
 <211> 403
 <212> DNA
 <213> Glycine max
 <400> 26254

agctttatta gattcatcat caattgattc attgatgtca ccatctacag cacttttctc 60
 gagcttcttt aatccctcgt ctacaatttg ttgtattctc attctcaaac catcacttct 120
 catagaattt gatcttagct gcaattttaa cccagggatc attgcctcat tgctctccat 180
 tgtagtagga ttagactcca atgcagaggg cacattctca tccaacgact tcacagctaa 240
 tacttctcc agtaaactca cattctgcat gtatcgggtca aaagcttcat tttccacttc 300
 aacattccgc tccttgattt cctttatctt ggcaaactc cattcattta tagctgcagc 360
 atcctgtaaa catcacaatg ctattacttt caaacgaaat aca 403

<210> 26255
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26255

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 tcagtcaaac ccaagtagat gtaccctcta cttgtaccac aaatgatgta ccctccaatg 120
 tgttgagaca aagatctcag gctgttaaac ctttgatact ttgtgaatag ggatacaaaa 180
 gaattctcag gcgattaaac ctttgaacgc tnttgtatta nggaatggga agaatacaaaa 240
 gaattctcag actgtgtcgt gttgaattct ttgataaggga agaagggaga cacaaaagaa 300
 ttcaggcggg tagtccttcc ttcttttggg aaagagagaa gagagacaca naaagaattc 360
 aggcgggttag tccttggcaa attctttttg caaagggaga agagaatgaa aagatgaata 420
 acacaagctt tcaagttt 438

<210> 26256
 <211> 389
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26256

agcttggttc tactcttagt tcaactacta aactagacag cacaggcttg gtgagcagtc 60
 tcgctaagcc caattctaag aaatttataa acagaggcat aatagcgctt agcatgacat 120
 gcatgcttag cgccaacaa aaacacaaaa atcctaagtg tctaatacac aatactcgct 180
 tagcgcatag ctgcgcttcg cgagttcaac ggataactga acagaaaaga tgaacgtgct 240
 tagagagaca gatgggctta tcgcgttcac ctagaaatcc aaaatcttta acagaaacga 300
 tgaactcgct tagcgagca aggcctcttag tcgcgttcac gcgattntca gaaaaataag 360
 ggcttctcac cccttctcat atgccccta 389

<210> 26257
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26257

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ttcaagataa gaccaaactc ccttccaaaa tctgatttat tgctaaatat gtgactttgt    60
ttgtgcttgc gcgcttagcg caactctgaa ccgcttaacg cgcatttagt aatttcggct   120
tagcgcgtgc ttttctcgct cagcggatgg actgaagtgg tgcgcttagc gggatgaacc   180
ttcgctcagc gaacatgcat agctcatcct tcttccagat tcttctcgt gcttagccga   240
ggaatgttgc gctcagcgga tggcttgcta tgccagtaga ttggcttagc gagcgtgtga   300
aaatcagcac ttcacaaact ctcttaatta acctaaaatt gagagaaaat gattattaaa   360
cacacaaaat ggaagtacta agcatttatt acctatcttt aacaaanagt aattacaaca   420
ctacaa                                           426

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<210> 26258
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 26258

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agctttcttt taatgcgtca cgtctaaaac caagttcgat ggtagtgcca gcctttgatg    60
gtagtcggcg ggaggtgatg ggagaaatcg acatccctat tcagataggc cccacactt   120
gcaatgtggt ttttcaagtg atggacataa atcccgcta tagctgcctt ttggggagac   180
cctggattca cgcgctatga gtgggtcccat cgacacttca ccaaaaattg aaatccgcgg   240
tgggtggact cttggtgata gtgtcaggcg aagaagatat attggtgagc tgccccctct   300
ccgtgccata tgtagaagca gcggaggaat cattggaaac aactttccaa tccttcgagg   360
tggtgagttg tgcctttgtg gaaatgagtc cgttcctacc ttg                                           403

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<210> 26259
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 26259

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gcaacatcag accacttcca gggtgctgga actacttttt tggatttgtt ggggcctatg    60
caagttgaaa gccttggagg aaagaggatg gcctatgttg ttgtggatga tttctccaga   120

```

tttacctgag taaactttat cagagagaaa tcagaaacct ttgaagtatt caaagagttg 180
 agtctaagac ttcaaagaga gaaagactgt gtcatacaaga gaatacaggag tgaccatggc 240
 agagaatttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat cactcatgag 300
 ttctctgcag ccattacacc tcaacagaat gggatagttg agaggaaaaa caggaccttg 360
 caagaggctg ctcgggtcat gcttcatgcc aaagaacttc cctataatct ctgggctgaa 420
 gccat 425

<210> 26260
 <211> 407
 <212> DNA
 <213> Glycine max

<400> 26260

agcttttgta caattaatth tcagtcacaa gtaataattg agttcgcattg acaccatgtg 60
 attcgagaaa ctaaaaatth tagaaatatt cgcttcaaatt cacaatttat ttccattaag 120
 cacagttgaa taaaaacata aattatgcaa gcaattacac acgcaattct aaattcgaac 180
 tgtgaattta accagcaatt ctattaatta ttggaattca tcttttagtcc ttttaaaata 240
 taaaaacatt ttcgtttcaa atggcaaaaa ttatcatctaa tctaataata catctaaaaa 300
 atgaaaggaa aaaagataaa gaaaaaaaac tgacctcgtg gagagagatc tcatatcaat 360
 tgaagaatat ataaactaat taagcaagat ctatgcaatc tactaat 407

<210> 26261
 <211> 448
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26261

tactcaagct tgacctgct ctgctgcgga gtgggagaat ggatatgtat atcttcatgt 60
 gttactgttc ctttcccgcg ctgaagattc tgctgaagaa ttacttgggg tgtgaagagt 120
 gtgagcttga ggagtccatt ttgaagcggc tggaggaggt tgctgcactg gcccggatga 180
 ctccggcgga tataagcgag gttttgatca agaacagacg caagagagag aatgcggtgg 240
 aggagtgtt ggagactntg aagctgagag cggagatgaa tgaaaaaaat ggagttctga 300
 ggggtgaataa tgggggttgaa gaggaggaag agcaagagaa gagggcttta gacagtgaga 360

gtcctaagca tgagtcagag attgaggaca attgcaagga ggaggaggaa gaagaagaga 420
agacaagtag tatatagtga cgaatgat 448

<210> 26262
<211> 279
<212> DNA
<213> Glycine max

<400> 26262

agctttatta cattcatcat caattgagac attgatgtca ccatctactg cactcttatac 60
aagcttggtt gatccgtcgt ctacaatttg tgagattgtc attctgaagg catcgcttct 120
cctagaattt gatcttacct gcaagtttga cccagggatc ottgcctcat tgctgtacat 180
tgagaaaaag atgagactac agggcatagg gcacattctc atgogagact gaacagctaa 240
tacttgctcc tgtccatcca cattctggga tgaatgggc 279

<210> 26263
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26263

tccatcacac ctttccttaa natgtgtgct nggttcaatt ccataatcng aggaaaagaa 60
attttgattg gcaatacttt agcagcctat catagagatg aatgactcac gcatacttat 120
gttgtgcatg gcaaagtcaa ttatgggatt gacatgagat gccttangaa ccaccatttt 180
cctagttaac cacgttcaca tgattttcaa tcattttatc tttctcctcc ttttttttag 240
gagagatggg tgtataatac caacaagggt ggtctatagc cattatcatg gtaccaaca 300
catgtaacta agaatgtggc gtaaaccctc attcttcatt gggactgtct ttncgtcttt 360
ttttctgttt ntggtattta tattttttttt gggccccccc tta 403

<210> 26264
<211> 408
<212> DNA
<213> Glycine max

<400> 26264

catgtctgct tcttgacatt attcttttgg aattgttcaa gttcttcttg catggctttt 60
 acccaacttt gtgtagaagc aaagcttcat gatgaatcaa gattgattca aagatgtttg 120
 atgataacaa aaatgatgac aaaggtgatg acaaagagct caaaggtcaa tcaaagaatg 180
 agttcaagat gttcaagata gaatcaagag cacttcatga ttcaagagga aatttgattt 240
 caagaatcaa gaatcaagat tcaaggatca agcttccaag aatcaagatc aagattcatg 300
 aatcaagaga agacttaatc aagattagta tgacaaggct ttatcaaaaa ctgagtggca 360
 catggattttt tctcaaaaca tgtttaccaa agagatttta ctctctgg 408

<210> 26265
 <211> 391
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26265

ntgacttgag ttatcaagag attatatata tgtggccatg acatgtattt caagaatcaa 60
 taatctgtct ttcaatcttt tctcatcatc attcaatatc tttcaactct ttctacacaa 120
 ttctctgatt catttctctt catctttcta aaagtttttg ttcaacactt tctcttccga 180
 gaaaagttct ttgttcaaaa acttgagcta ttcactcttt tcattctctt cttcctttgc 240
 caaaagaacg aaggactaac tgccctgaatt cttttgtgtc tctcttctcc cttacaaaag 300
 attcaaagga ctaacagcct gagaattctt ttgattattc ccttcccctt aagcaaaaga 360
 tttcaaagga ctaaccacct gagatatctt t 391

<210> 26266
 <211> 394
 <212> DNA
 <213> Glycine max
 <400> 26266

tttcttcttt gctgaagggtg gcaaacaccg cgagatgggc atgctaggcc ttgaaggtag 60
 ccgagctgat gatatgggtt aaatcgtgct ccctatacta aggcgcattc acacttgcaa 120
 agtgatggat aaagccatgc tcatgcttac cttcttttac tgcctttttg ggccaccacc 180
 tattctcgcg ctacgtctgg cctcatcaac actttactta aacacgaaac acgcattcgc 240
 tggagtcatg gctataatgc accgcgaaga ctacctatcg gtgttccgat gactatcatc 300

gccttatgca caatccaagg acgccatcct ggaacgaatt tgcagccgaa aggctgtgag 360
atgacctcta tgcggtgact acgctgcttg ctcg 394

<210> 26267
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26267

ctgtgtaatc gattacactg atttggttat cgantacatc tggncgtgtc tgaataaatc 60
aaaagatgta actcttccaa tgggttttga ctttttcaaa atgggttttaa ggttttctaa 120
aagggtataac tcttcaaaaat ggggtctcttg acccgacatg aagaagctat aaaagccagg 180
ctttcgtttg gatttttaat caatctttct aagcaatctt tctatcaatt catctcaatc 240
atttctttca atcatctttc attattttct ttcattctctt tcaacagntg gtctgtttca 300
tcttctcttc atcttttctaa aaagttttgt tcaaaaacttt ctcttccaag aacagttctt 360
ttgtcaaaga catgtgctat tcatcttttt caattccctt ctctt 405

<210> 26268
<211> 398
<212> DNA
<213> Glycine max

<400> 26268

agctttgaac tctagaactt aaatagtcct caagatttat attcttcaat acttgccctg 60
aagacaattg atgttgaaca aaaattaatg gagtgcaatt tcatgaataa agtagtagtt 120
caaaaaaaga aggatcatat taaaagagta aaagaagaag agaaaaacac agaaaatgga 180
catacttcca aaccaatatt tacaagaac caacctccat tcttacaaca ccaagaaata 240
tattgcaaac aatatatgcc tttctcgttt tcggtaacca aaccaaattc ttatagcaat 300
aagctcaatt ttaaaaatga tatattttca agagagtaag caaaaaaag aaagattcat 360
ggcaagttca tatctatcaa ggcataacaa tctcaaca 398

<210> 26269
<211> 416
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26269

tgngcatagc aaatgagaaa aatgagtgac aaatgtgata ataaggatcc atttctaggg 60
taaattgggt gttgagaggt caaattttga ataggtggag atttcacctt aaaaccagtt 120
tgagcaagtc taaatcaatg ttatagactt gatgaagata agagttaacc cctaaattac 180
ccaattttta ttttcacctt tcaaaccttg agaattcact aaaattgatg ggttttgaat 240
acctatattt tgattttacct tggtttgatg tttgtctttg ttttgaacat gatgtagaca 300
tggcttacga cttgtaggat ccaatttgag tgaaattgga tacaagcaag ctagaattca 360
aaatctgcta cattatgcag aanaatgttg ttaaattgtg cagcacattt tgccta 416

<210> 26270

<211> 396

<212> DNA

<213> Glycine max

<400> 26270

ttctttctttt agtatgcccg agacattcat ccctatgaga tgctgttgaa gtattggcga 60
tcagaattgc cattccttgg attatagggg tgaaccaagc tcatgctttt acaaaaaggt 120
tcatcaagtc aagttgaaat atggaagtaa ccgtcttgca aaattggggc ataagatgaa 180
tcgagtcaca tcaactgttc gtatactgcc aaacatattt atgattattg atgtccttga 240
tactttccagt gtcaccttga caaagatgtc atggaccatg ttgaaaatct aaattgattc 300
aaccatcatat cttgcgtaaa aattcgcaat acttcaactg tacatcattc tcatgcatcc 360
atgctttttca ttggatgcaa tgctacgtgc attctt 396

<210> 26271

<211> 388

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26271

ntgtgtgaaa ggatatgact cttcactttt aaatntgatt tccaacgttc aaacacactg 60
gtaatcgatt accaaatcat tgtaatcgat tacaatattt tgaaatcaat tggaacgttg 120

taaattcagt tgaaagcttt ttgaaaacca ttttgctact ggtaatcgat tacaataatc 180
 tggttaattga ttactagaga gtaaagactc tttggtaaaa ggttttgaga aaaattcatg 240
 tgctactcag tttttgaaat tgttttttaa tacttatctt gattgagcct tctcttgatt 300
 cttgaatctt gagtcttgaa tcttgatctt gattcttgga acttgaatct tgaaacttga 360
 ttcttgaaat caaatttcct tttgaacc 388

<210> 26272
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 26272

tctagctttc accagatcat ataagataaa tgcattcatg caatctgcag atatatcctc 60
 ccaaacgtca aattctccgc ctatatattc aacctttcca tcaactggcac gtggagtgaa 120
 tcttctcca tgggtgcaata ctaaagttat attgtcattc attctacaca atcagaaacc 180
 gcaaacatgg tcagatatta ggaaataaaa aaacctacct caaaaagcgc gaagacattg 240
 acattgtcaa aaaccgcgaa gacacaatca aaaacccaaa acattgtcat ctataagaac 300
 agagcatcat aaacgaaaat aataaacgat cataaacctc cctacgaagc gcgaagacta 360
 tgccacagat gaaacccctc gacatgtaaa c 391

<210> 26273
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 26273

gatgcagatt tgtgtgaaac cgtgtttact gtaatgttgt gtatgatcac acaaccttta 60
 tttagtaatg actaaatata ataatgagta ataatgacta aatcactaat tactatctaa 120
 tcataataac agagtaatat gtaatcttaa cactccccct caagctcgag catatatgtc 180
 ttatgaattg agcttggtac aaatgtggtc aaccaatag aaactaaagg cagttcgggt 240
 tgtgtgggtg ccccgataa acatgggtca gcggtagcca acaaaggctt gcagtgcga 300
 tagagaatca tgtaacgctc accggagatg tgtcaagcgt catgtgc 347

<210> 26274

<211> 391
<212> DNA
<213> Glycine max

<400> 26274

tctagctttg tatgcgaaat aatcgggtgg aatcatgaaa acaggagact cccatacaac 60
cttaccttag tagttaatat tgatgcgatt cagttcatgc tctatttggc attgaattca 120
catttacaca ataaacacat tctaattatg ctatatatat attacttcca aaagctagtg 180
ggcatagttc gagtattgga caacaatagt ggtagtactc taaatagtaa gtagttatca 240
gtacactata cactattgaa aagtttagtg agtcttgcgt actacctctt cattgaactt 300
gacttattgc ttgctccacc tcgttatata gtccaaaaag tcaaccctac catacaaatt 360
tttattgtag tcatgacaac tttccataca c 391

<210> 26275
<211> 375
<212> DNA
<213> Glycine max

<400> 26275

ttagctttctc aaggaagttt tctcagagaa ttttctctta taaggcctct caagacagct 60
tctcaaggaa gtcacctagt ctataaatag aagcatgtgt aacacttggt gtaactttga 120
tgaatgagag tcttgtgtga cacaactcaa agttcaactt ctctcccttt ttcttccttc 180
aatttcatgc tccccctctc tctttctctc cctatttctt ttctccatt gaagcatcct 240
ctccatgctt cttgtgcaag gctcatcttg gtggtgaagc tccttcttcc atggcttatt 300
ccctagtgga tgacgcctcc tctcattat tctactttgt cttccgctgc atctccatgg 360
cggaaaatca ccatt 375

<210> 26276
<211> 379
<212> DNA
<213> Glycine max

<400> 26276

agcttttttg tgattttcgc tgcaagaac tattttttgc tgcattctct ctgagacttt 60
gctcatgctt cataggaccg accaaaactt cgctctaata gatgccgaga acaaaatata 120

tgtgggtgaa caaaaaacat tgactttgta gcatgtatgc ggttttgtat aactgaaatt 180
 gggccttctc ttgcacacaa aacatataga cactcatgcc attgtgctgc tacaaagagc 240
 atagacgctg catcattgtg aataccataa aaaatcagat acagggtactc catgcttccc 300
 tttcgacctg actatgaatt attacataga atggcactag aatctaattgt tgttaatgac 360
 ggatggcggt tcatggcgg 379

<210> 26277
 <211> 437
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26277

taaactcgaa ccaacttgag ctatcattcc tcanaaatTTT aaaactaaac ttgaacctat 60
 gtttnggcta ggngnaccag ctccaaacca aggttcattg ttatttgaat tcataaaaaa 120
 gttccattaa ttatatgaac acaaaataca ttacaattgt aataaatagc tagaattatc 180
 tacgtaattc aatcagtcac attccctcca catgatcaca tgttagtagc aagtgcacta 240
 gtataaacag gcctctaact ttttaaggTTA atagcttaat aagttaatct ctattaagct 300
 gaaaaatttt gttcaactca gcttatcaag aataatattt ttgaagattt tatcggttta 360
 aaacatacag aatttgttct atagtTctgt agaggattaa tgacactaat aagtacattt 420
 aaaggcaatt agataat 437

<210> 26278
 <211> 404
 <212> DNA
 <213> Glycine max
 <400> 26278

agcttttacc ttatcgtctc tcacaggctt tagatttggg agccaatcca atccttTgtgt 60
 tcggactctc agccacttat gatagccgcc gatgatccca ttactggttt ccctaagctc 120
 tctgtgcttt cttcatgccg catcccatgc cttgcgaact ccttggagta cctcgcgggt 180
 gtggtcactt aaaccccag cgatgaaagg cgtgatgctt tcgtctgatg gcacatctct 240
 catggggtag ccaagctgtc ttatggcaag gaccagatta taattaatac aagccettgt 300
 tgccatctag agaacatttg gacatgcttc gcatgaagat aaaatgctga gtcttccttc 360

cttctagcga gggaaccaat tagcagacgc cctccatgc tagc

404

<210> 26279
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26279

tgcctcaagg aggtccagga aggacaaggc ggccgaagta ctagntcctt tcctgagtat 60
gacagacacc gctntaagag cgctgtacac cagcagcgct tcgaggccat catgggatgg 120
tcatttctcc gggagcgcagc cgttcaactc aaggatgacg aggatactga tttccaagag 180
gagataggtc gccggcggta ggcacactg gttaccccca tggccaagtt cgatccagaa 240
gtagtccttg agttttatgc caatgcttgg ccaacagagg agggcgtgcg tgacatg 297

<210> 26280
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26280

agcttgctta atttggattt cttnagcgga gaagttgacc ttggaagtac ttgtcaatgc 60
gactgtacca tgctctcagt gcttgattta gtccataaaa agccttcttt agcttgagaa 120
ctttgtcttc ttctaatttc acctttaatc ccaacggttg ttcgatgtac acttcttcca 180
cgaggactcc attcacgaag gtagacttca cgtccatttg atgaattctc cactagtgtt 240
gagttgcaag agagattatt actacgatgg tctccaggcg agcgaccaga gcaaacacct 300
caacataatt gataattgtg aaatttgagt taatttgata gtcaattatg gctaagaatg 360
attggaattt ctttacttta tcgtttattt aataaaataa ta 402

<210> 26281
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26281

tactcacgct tgtaagagct tggtcacttc cttntcacc acatctagta tgacgnggtt 60
tagtcgtttc tgtggctacc tctactggctt agctgcatcc tctaaaagta tcctatgcat 120
gcaggtagat gggctaatac caggaatgtc tgctaaagtc catccaatgg ctttcttggtg 180
cttcttgagc accggcaaca acttctcctc ttgctcaaca tcaagggaag cagagatgat 240
cactggaaat ttgatgcaat cctaccccg c aagggcattg gatagaagac tccaagtaga 300
ttgggccaga gatccaaggg aaggccctag ggttctcatg agccttaagg tagattntga 360
gcccatgggc taagtatgag cccgcttatc tttgtaatta ttagaatagg ttttttcctt 420
cgtttaggcc ttgtatt 437

<210> 26282
<211> 403
<212> DNA
<213> Glycine max

<400> 26282
agctttatgg tttttctagc attcgacggg agtcgtcggg aggtgatggg ggagatttat 60
ctcccagtc agataggacc ccacacttgt caggtcacct ttcaagtgat ggatataaac 120
cccgtataca actgcttatt ggaccgacca tggatccact cgataggagt agtaccctcg 180
aggcttcacc aaaaattgaa attcatggta gaggggcttt tggatcatcat ttcgggagag 240
gaggaccttc ttgtaagttg tccttctctgt atgccctatg tcgaagtaac ggaggaatct 300
ctggaaatga ccttccaatc cttogagggtg gtaagtaatg ctttcgtaga atccctcctg 360
acgtgtcctc acatgtccaa caccgacaatc atgggtggctc aca 403

<210> 26283
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26283

ttatttaagc cgttctcttg ttttaataatt tataaaatga ttttcaaccg atcattttgtg 60
ttgcaatctc gtttaatcac tgttaaaata aaatccaacc gatcgtttgt actgtaacct 120
cagttaaatc aaaaaactgt aaaataatga taaaataatc aaaatatctt tgaaaaaata 180
ataataaaat aataaaaaaa tcaattagac attttacttt gaaagtttcc tttaaatgag 240

ttgataataa ccaagtgaaa ctaaggctaa aatcaactca caaaccaagc tttgcccgca 300
 aaaatcactt gaagttgttt taagggtccaa caccttanac gatcacgaag aactacatag 360
 gtctgagttc ctcacgcaa ttgaggatac gtangagcaa agtcccgttt ttgtggac 418

<210> 26284
 <211> 406
 <212> DNA
 <213> Glycine max

<400> 26284
 agctttcaac ttatgagctt ttacaaacaa ggggtgttctc gctttcaagt gtgtgctgag 60
 aaaaatcaga gagacaaaag gtgtagctta gtgagagaga gagagttagt aataaaatat 120
 agtagtaa atattttaaaa agttgctttt gcatgcgtgt ggaataaaat aaagcaagaa 180
 aaatagaaaa ttctgatact gttgttaggt gatatttatg cttggcggct cacgttttat 240
 tccgacctta tggatatact aaatttttagg gaaaccataa gggtgtttta atgtggtaat 300
 tattcttgga gattaatgtg tattatgggc ttttatatta tagctacaac tttctataaa 360
 tattaaagtg ctattcgtat ctccttcttt acttatagca cctttt 406

<210> 26285
 <211> 337
 <212> DNA
 <213> Glycine max

<400> 26285
 gagcattttc caaaaaggag aacacgcggg agtcgccacc aacaattatt cgagggaaaa 60
 tgtagaaaa accaaaagaa gggttgcgaa tttcaaaaat gagggttcga gagttgttta 120
 cgcatgggaa aggtattagc accccatgtg ctcgtcacia aggacgacag ccatcaatcg 180
 agtgtgcaaa aaatgtgact tcaatattat ttatttttcc cttttcatat ttatttttta 240
 tttttttggg gttgacaaaag gggtcgcctt ggctcctacg taccctcagg tgcgatgaag 300
 aattcagacc tacgtagttc tttaagtctg aatgttt 337

<210> 26286
 <211> 392
 <212> DNA
 <213> Glycine max

gccatctact atggaatatg ccatggaatg agaaacttct ccaccaccat agcgccttgg 180
 atacttagcc tacagacgaa gtttcgctgg atgactataa tgagggacac agatagagtg 240
 aaagaggcat ggcagattga tggaagaaca agaaatataa tgaactctga cgcgtgtctc 300
 actctactct tattcaacac agncctgaca tgagttacac at 342

<210> 26289
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26289

tgcgaggatt gatgnggacc cgggtgttata gaaacgatta tatgttctac gtgggagtag 60
 gtgagctcac ttggaggtgg gcaacagggg atgggggggtt tatgcgcgat ttgtggatgt 120
 ggaaaacttg ttgtgcacca tcgcccagacc gccacctagt accacatgtg atgggtaccc 180
 cataatccta caagcttgag atgaggaagt gtanaaagggt gaaacttctt gcttttattc 240
 ggtgaccaca aagtgggtacc tggagatatg tcgcgngngt caacagacct tgggtgacgtc 300
 aggtggagtg ctattgcccc aaaccaaaact tgaccaatcc cgacccaacc tcggcatagt 360
 cagtcagtga gaatctgtga tgcacctaaa c 391

<210> 26290
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26290

agcttggttn taagtttggg gtatagtttt atagttatag acgaaacaaa atttagagaa 60
 tacttttagtg tccaacccaa aaagattcag aatctgtaag acaatttttc aatttcgtgt 120
 gtttaattat ggcctttaag taagaagctc aattcatcta atagaaaaag taagcaaatt 180
 gagccatcta aaacaatgcg aatgttgcaa gaagctgccc aattctacca agttgttaca 240
 cgcgtgcgag gacttactga tcagaccttg attgagtaat gtttaagcat taacaacgac 300
 aacaaaataa gaattgtgat acatatcgat gttatatcac actacacgta ctgtctactt 360
 tccacaggag aaaagtctgc atatgagata tataa 395

<210> 26291
 <211> 388
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26291

aacatttgct atttatcatt ttgcatcatt cntccaagag attgcaattc atttaatatg 60
 gtttagaagt gtccaaacat gctttgcatg tcttcttcat cctctatagt aaagagttca 120
 tacttattgc ttttgtgtgc ttttctagag ccattatgga gccctaaata caaccaccaa 180
 atataatgac atcctactct agagccattc taggtttctc tttgagtcct agctngcttt 240
 tgtgtgcttt tcattgcttt aattgttgaa taatccttga aaatttgtct tgttgaaact 300
 ctattggttt agctntcact tcattntttt tgtctttggt tattgcttgt ctctnntggt 360
 ccttgcttgt gagttgccat atagggaa 388

<210> 26292
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26292

agctttatca gttttgatca agatggatca tgaagttggg ggaatctctt gctgcaccag 60
 aagagctttc aagtttaaac tgaaatagtt ctttcttctt cctgagcttc tttgctctta 120
 tgttttggcc ttttggatat tatgattgag atatcatcag gttgctgagt ttttctatgg 180
 ttgcaaacct ttctgcgaag tgatggtagg atgaattgga tcaatcacga aaacaaaagt 240
 aaacaaaaaa atatattgga ctattggagt aattacaaat gctagcaaca catcctttga 300
 cacatctttt tgaacactct actactggct gaaatttatt gaaattcact caaattgtgg 360
 tgagtgccac ttatcatata atgaatttct ctc 393

<210> 26293
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26293

tgtaggatta tgggggtaccc atcacatgtg gtactagtgt ggcgggttgg cgatggtgca 60
 caacaagttt ttccacatcc acaatggcgc cataaaccga ccatcccctg tagcccacct 120
 ccaactgagc tcacgtactc ccacgtagcc catatcctcg tttgtctcaa caccgggtcc 180
 ccatcaatcc tcccaagctt ccccaacatc aaagtaatac aacattcaaa cagtacaaac 240
 tatcacagcc aagaaaacag agcagaggca gaaaactctg ccataacacc aaccgaaatc 300
 acagcttttc tcacttaaag accccagtaa caattccttc ggtccaattc gttaaccgtt 360
 ggatcgactc caaattctta ctggaagact ct 392

<210> 26294
 <211> 215
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26294

agcttctgac gattggangn gacggcaccc acttgcattht gaaacccaac gtgcagatac 60
 actggtaata gaccacgaat atattgaagt cgattacaca attcacaaag cattaggaac 120
 gctgcatatg cagataaaaag cggttgaaat caaactatac gactggtaat gagttatatg 180
 taattgagtg tcgattacca agatagaaat actct 215

<210> 26295
 <211> 289
 <212> DNA
 <213> Glycine max
 <400> 26295

tctaacgcag cggactcacc gaggattggt tccatggttt ttccttttga gcctggaaac 60
 cctacccttg caacgaagct cactacgcac cttaagtga caacatgat atcacctat 120
 gcttactgaa taaaggagct taggaattgt cttaggaaga aggctgtggg gggcgcgttt 180
 cattgaacaa ctaggataga ggcgctgctt cacgatgaaa atcgggccat acctgatgac 240
 attgcatatt ggtaaattgc ggacatgctg attgaaaagg tggacctca 289

<210> 26296
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 26296

agcttgtagt gttaaagtct cacgattgtc atgtgctcat gcaacaattg ttagccatgg 60
 ctatacgaga catcttgcca aacaaagtca ggtagcgat aactcgctg tgttttttct 120
 tccatgctat atgtagcaaa gtcattgatc cagtcagtgt tgatgagttg gaaaatgagg 180
 cggcaattat attgtgcca ttggagatgt attttcccc tgctttcttt gacataatga 240
 ttcacttgat tgtgcatctg gtcagagaaa tcaaatgttg tggtcctgtt tatctacggt 300
 ggatgtaccc ggttgagcga tacatgaaga tcttaaagg gtatatcgtc cagaagcatc 360
 tattgttgag aggtacattg caga 384

<210> 26297

<211> 378

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26297

ntgcataccc caaggatcct ttaagaaatt acttgtgtta tagagccatg aggggtgggct 60
 catggggccac tttggaatag acaagaccct tgtcttactc aaagaaaagt tttattggcc 120
 ccatatgaag aaagatgtcc ataagcattg cactaggtgt gtggcttggt tacaagccaa 180
 gtctaggggt atgcctcatg ggctatacac acccttacc atcccatctg caccttgggt 240
 agacattagt atggactttg tccttgggct tcctagaacc caaagaggtg tagactctat 300
 ctttgtgggt gtggataggt ttagcaagat ggcacacttt atatccatgc cacaggtgga 360
 tgatgcttcc cacatctc 378

<210> 26298

<211> 177

<212> DNA

<213> Glycine max

<400> 26298

agctttggtt tatcgattac atgtttcacc gacaagtttt gaataaaaat caaagatgt 60
 aactcttcca atggttctca gattttctta aggtcataac tcttccaatg gttttcttga 120
 ccagacatga agagtctata aaagcaagac cttgactcgc atttaaaaca accatta 177

<210> 26299
 <211> 395
 <212> DNA
 <213> Glycine max

<400> 26299

tcaaccaagt ggagatgggt catttcaagt gcttgaatta ttcaatgaca atgcttataa 60
 agttgagctg cccggtagt ataattgttag ttccaccttc aatgtctctg atttatctct 120
 ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180
 tgaggacatg accaagagca agggcaagga tccagttgaa ggacttggag gacctatgac 240
 aagggcaaga gcaaggaaag ccaaggaagc tcttcaacaa gtgctggcca tactatttga 300
 atacaagccc aagtttcaag gacaaaagtc caaggttgtg agttgtatca tggcccaaatt 360
 ggaggaggac taaatgacac cactttgttt caatt 395

<210> 26300
 <211> 468
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26300

ntgagcttga tcctcaaggc attgcagctc tggcccggga tcctctgagc cgacgctgct 60
 gcatgcaagc ttgcggcttt cggactgttc tgtccaagag atacgacggg gatgtggact 120
 cgcacgactg atgacgatgg gattgccaga catcttgact agcataccct agtatgcaa 180
 actaaaccga gcatgtactt catgctgttt gcgacgaaga cagtgggtcca cacatgcttg 240
 atacgctgga tgttgaaggc ggtaatttag tgagccattt ggcaacggcg tttactcctg 300
 cggatttgca cacggactga cctgaaagct gctaagatca tcaagatcca aagactgcgg 360
 ccgggctaca ttctgcttta cgaactgcgg gcaacgatat atcagcatga cacaatgggc 420
 atgtgtgacc agtgtatata tggttctgag catcactgac agacatat 468

<210> 26301
 <211> 487
 <212> DNA
 <213> Glycine max

<400> 26301

gcccccgacg ccattgaccc atgatgatcg cgttgctatc gtagactcaa ccttgatcat 60
 atcgaccgga agattctcac ccattgaggg tttggcacga ttttttagagt atcgtaagag 120
 agggcgggcgt tctgcgtccc atccgagtga gactcaagct agccgcttgc acataaatgt 180
 atgcatgact cggtatgtcc aaactacccc atcatatgga tctatgttga acaagttatc 240
 tatcatcacc ttataagatg atgcgacccat accttgccact cccataggaa cttcgatcgg 300
 aacatgcatt actatccgct cctgattgct tctttgagga actctgatct gagatgatta 360
 ttctgcaggg ggagagttgg atatgaacat gtatctgcca tgacaactta attgctctgc 420
 accttaggat aggtctctat gagctgcgct ctctgtatac tagactagac tacatagcca 480
 aatgcgg 487

<210> 26302
 <211> 367
 <212> DNA
 <213> Glycine max
 <400> 26302

agcttgtagg attatggggg acccgccata tgaggaaacta tgtggcgatc gggcgatggt 60
 ataaatcacc tctccacacc cacaatcac acatgaatcc actatcctca gttgccacc 120
 ttcaactgag ctacgtact cccacgtacc ccttatcctc gttactctca gcaccgggtc 180
 cccatcaacc cctccaagct ttcacaacat ccaagcaatt caaaatccaa acatcatgaa 240
 ctatccaaaa tctagaaaac agggcagagg caaagaactc tgcccaaaac acattccaat 300
 accacaactt tctctactca aatacccagt aacattttct ttgtccgctt cgtaaccgtt 360
 gatcgac 367

<210> 26303
 <211> 405
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26303

cttgacgctg gagctgaccc atcaactgcc gtaactatct tccaaagngt tttacaaccc 60
 agcgcggaagc acaactccga catctatcat ggggtggaatg gatgaatgca tgatgaaatg 120

catatgacac agatgcattt atgaatatgg gagcccggga aattgtccct ttcttagata 180
cagcattcgg gtggcatggc gcctgacaca tgcattcaag aaggcgacac ggaccctacg 240
ttggtttgac aaagtgaggg gatcaagacg ctatccgtgc atgatgcaga tgcgaaaggg 300
acaacacggg gatgcacata gtacgacaat atccacaagt tattataagc aaaggcgtac 360
atgacattta tgactacatg catggcagtg ttcaaatgg cacac 405

<210> 26304
<211> 608
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26304

tagcacagct cttgctaagc tctatcaagt nattctgtac nctacanagn gagcgagtg 60
ttgagaactc gatcatatgt tatctgagat cttatatagg cacataggca ctggtgatct 120
gccttctcgg agtgagacat ctacagtat atactcggtc gatgtgtgcc acatatgatg 180
acttctctat tgagagtgtg caactctgat agcacgcact actgtacatt acgctactac 240
taacantgag tcnaccgaac ctctatcgta catgtcgtca tgttgctgat aaaacaatca 300
ccgtctacct gcaacagatc accgctcatc agtatatacg ccaccagtga tngccagcnc 360
aagttagtaa tgtntctgtc gttggaactg gtcactctgcg tctncaactg cgtctcttan 420
gtccaacata cgacttatcc aactcctatt gcttgctcgg accccagcac tctagaacgt 480
cttcctcaaa gaagacacgc cacctgtcgt ctactcatcc atatgtgttc tcgccacctt 540
cgctgatgcg ccnactata tcataccact tgtcatacgg cgtcgtgcaa acttctaatt 600
tacttccg 608

<210> 26305
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26305

gccaaagagcc atgaccctgt gaaccttgaa cgcgacaccc cncatgatca gcttatcggg 60
gcacccagtc cagttatgcc gcattgccaa tatgaaacac cccagctcga gcggcaccta 120

gggaaaaccc tcaaggattc ccaacttaaa caacgcatca ctgtctatca tcttttagaaa 180
 aacccaaatt cattcaagag atatgttgtc ataactcaca atcaaatact gctcttgaca 240
 ggatcagatt ctaacaccat cagagaatcc atgctctaaa ctcacctatg tgacggtaac 300
 tctaataaga gctcaccatc gagcatgcta aacgcccctt gcgcagaata ctccaattac 360
 ccaacaaaca catatctttt tttatctata aaaatccaac accaagacat tctacacgtc 420
 tacagccttg accatgcact aaccacatgt acg 453

<210> 26306
 <211> 398
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26306

agctttaaag cttttctcag tactaaaaat cctaactata catacaaata ggtgatcaag 60
 ccacaaacat gcaaaaatga gcatagatag aagcaatgaa cacataaaaa taacattaaa 120
 tagatagtaa gataatttta tatcaaaggt tcagcagaac tccccaatca agagggttag 180
 cttccatta caagtaatga gctttcaata caaaggccag attttgaggg aagaaaatgg 240
 ctaaggaggg ttgaggatgt ctcttcaac ctctagaacc ctaatctcac tcttcccacc 300
 tagactctct tgggtgcttc gtgtttgtcg ctctagcttc tcccttggtc ctgttnttcg 360
 actcctctct tagtttccac caacttcagt gttttaaa 398

<210> 26307
 <211> 347
 <212> DNA
 <213> Glycine max

<400> 26307

cacattcttg gtgaagaagc tctatattta tggcttatta cctagtggat ggtagcctcc 60
 actctcctct tcttcttatg cctttcgctg catctactgg agacaaatca ctatagaagg 120
 acctcattgc ttctcacaga tccagctctc catataagct ccacatgcta gcctccatcc 180
 ctggcgctca agacgatttg acctgtgaag atcttcaaga atttcaacta actttagtaa 240
 gtcgttatat atgatcggat acacattata atgggtaata agactagcta catactgtaa 300
 ctatcatatc atacactcaa tttgatatta ctgaatcatc tgattcgc 347

<210> 26308
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 26308

agctttccct tatgggatgg accttctagg ttttgaagag gatcaataac aatgcctata 60
 gggttgacct ccaagaagag tatggagtca gcaccacttt taacatttcc gatttaattc 120
 cttttgcagg tggagctgat attgaggcgg aggaactaac agatttgagg tcaaaccctc 180
 ttcaaggggg aggggatgat gcaatcctcc ctatgaaggg accagtcact agagccatga 240
 gcaagaggct ccaagaggat tgggctagag ctgctgaaga aggcctatg gttctcatga 300
 accttagggg agatttcttc atgctttaca tgtttcatga cacctatgca cacttagtgg 360
 agaatcttgg acttgatctt ggattagtgg gctgaaccat at 402

<210> 26309
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 26309

cttctcgata tatacgtacc agattcggac atccgagagt tatgacctga ataatcgaat 60
 tacaccagag cttccattgc tcaatttggg gagactagat gagttatgta cgccaatctg 120
 acatccgcgt gaaaagacag gaccattgcg ctttcacgag agcttgcgat gttcaagggc 180
 gagcgtctag atgagtcatg cacgcgactc gggcattcgt gggaaaagcc atgaccattc 240
 aactatatcg acagctgccg ttgtgcaaac gcgagcatct cgatatatta tgttccccac 300
 ttcagaggtc cgagtgaata gcaatgacca ttctaaagat cgagag 346

<210> 26310
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 26310

tcaagctttg taaccacact ccttagaaaag aattacctac atatgagaca atgcatacct 60
 attaaggatg agacatacca tgatgaaact aattatttct tctctattgg atctaaacat 120

gagatatgcc ataaaatggt atacaacata tttaaaggta agaaaggaat gagagtagag 180
gagttaaaga cctatagtaa aataacaata aaaaagaaag atataataaa caagttaaatt 240
gatcatgatt actcacccaa acgatagtga ccttcttaca tggctcactt tcgcctctac 300
ctttatctat cattaatata agtgaatata atatcttctt gttgataaca tggaaaagaa 360
aatatgacat tagatttgac tagtcatggt ggacagtga 399

<210> 26311
<211> 423
<212> DNA
<213> Glycine max

<400> 26311
tgaaagaatg cagacaatct ggggttgtct gtagagaatt actttgttgc tatgagatta 60
ccttctctat gctcttecta tgtttataaa tgaatcaagc agcctcaaga tgtcaagaag 120
taaagtgtgt tgactgagaa ttacataaac aggttgggct tggttgcctt gtatgttgtt 180
ttgagcttcc tagttggggg cctaaccctc ttgaacacca aaggggaactt gatcttggag 240
ttgtggaact gcttgggtgct ctcccttttg caaagtttag ctgggatggt ggcagttttg 300
atgatctgga tgcattggaga cctgactcta tgacgagatg ccatttcggt gtacatgtgt 360
tcaacagcgc cgtttagagt agtatcgga tattccttgt acatgttgtg ataaccagtt 420
cgg 423

<210> 26312
<211> 397
<212> DNA
<213> Glycine max

<400> 26312
agctttaagt gtgttgattg aaaatataga gtgaagaaga gaggttaagat tatttaattc 60
ttctcatgga gaagatgggg gatatgaaga aaatgagggg gcatggagga atgagaggta 120
taaggagaga agaaatcata gaagatatgg aggtagacaa agagatgaag agattgagga 180
agtgaagggt aagataccta cttttaaaagg gacttgtgat ccagaagtgt atcttgagtg 240
ggagataaag tttgagcaag tctttgcttg ctacaactac aatgaagaaa aaaaagatca 300
aattggcctc cctggagttt gaggtgttgg atcgagtggc ctcagaataa ttaagaaggg 360

gggttgaact aattatccct aaacctttac taattaa 397

<210> 26313
<211> 410
<212> DNA
<213> Glycine max

<400> 26313

tcattgcttaa ctatgtatgg caaaacttca ttactgttgt tcaagacata caagtgaact 60
tgaacaaat cttctacact cggagtgate acctgcagtc ctctagaact ataatacccc 120
actctgtcat cataaccgaga cttacgaagc ccaacagggt tagccttctc taagtattct 180
gaacaaaatt caatggcttc ttctgcaatg tacctctcaa caataaatgc ttctagacga 240
tatagattct ttctataccc ttttaagatc ttcatgtatc gctcaaccgg gtacatccac 300
cgtagataaa caggaccaca acatttgatt tctctgacca ggtgcacaat caagtgaatc 360
atgatgtcaa agaaagcacg gggaaaatac atcttcaact ggcacagtat 410

<210> 26314
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26314

tcagctttat ggctgttgac ctaatccata catttttttaa tattatgctc tttttattct 60
cttttgatat actttgtgct ntaacgactt gaattcaata tgattttggt tatcaattat 120
ttttggattt gtacattact tatacgaaat ttataagtt tcttttttta gttagtattt 180
cactagggtt taaaataatt aattaatcaa agacgtcttt aagcaagctn ttaaatatgc 240
tcgtgggcca agccagactt ttatgtaagc cgagccgagt ctttaaaaaa agcctatgat 300
aggtaatgag ccaagctcaa gccttacgta ttcaactcaa gctgagctca agcttagtaa 360
agcttggttt ggcttgctca tttcac 386

<210> 26315
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26315

ntacatggag ctacatcagt tcacacatta taggtcaatg accaaaaaga aataatcatt 60
caagctcaaa gtggtcaact aggggaaaac ttatcaaagg attcacaagt ctttaagaaag 120
cctatcaagg tctcttcttt tcagacaatt cagaattcat tcaaggatat gtatgtcaaa 180
acagagaata gaatactgct attgaaagga tcaattctca cacaataaga gaatcaaggc 240
tcagaactca cctatctgag ggtaactcta agaatagttc acaatcatgc atgctaattgt 300
cccctcccga agaaaactcc aattacccaa taaacacatt acttttttta tcaataaaat 360
tctaaacca agacattntc acagtactag aaccagaaca atgcaagaga tcacatata 419

<210> 26316
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26316

agcttggttg ttgttcttac ccattgaaga tcgaagatcg atgaataacg aatgaagaac 60
gtccataaac ggtcgacacc tttgcgaaat tcttcacgaa aaacggttacg gaaacgtttc 120
ggaagcgect ctgcttatat tttcttcacg gaaacaattt ttccaagcaa attcgataga 180
gagagaagtg cctaattgggc tgaacccctt ccttcttcat ttctctccct atntatagca 240
aaatatggga ggtggttgcc gccagctcg cccaggcgag ctcagctcgc ccagacgagc 300
caggttgctt tccccagaag caacagcctt ctggaggaat attctggagg gcccaagtgg 360
gtctgggtgc tatatgcacc cccattttta ct 392

<210> 26317
<211> 155
<212> DNA
<213> Glycine max

<400> 26317

tagaagacat tcaaatggtc ataacttttt cccgcattt atcatttatg aggaaggcga 60
ggactacacg ctcgataccc aacaccaaga cctctccaga aaaacacatt gtccgaagga 120
ttgacacggt tgttctaacc atacgcaaca catat 155

<210> 26318
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26318

tcaagcttta tcttgttgaa aaggctaata aatcaatgaa ggtgggtaga cattgtcaga 60
 ctagatcatg aacaagctat gtaaggacta tcagacaata caaactccta gcctgtgaag 120
 gttcagaacc caagtctaata tcatccataa caattcacac atatttgagg tggtatacct 180
 ccaagctata ttgcaacaga caatttaaca actattaatt gctttttacc ctcaaata 240
 caatgtatat tccttattta ttaagaagtt caatcatatg cgataagaca taaaaaatac 300
 tataatcata tcctttctgt aaggactgag agcctataaa tagacatact tacgagatat 360
 caatacaacc tatataagaa tgatattg 388

<210> 26319
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 26319

tggtgccctt ctttattatg taactatgta tacttgattt tttcatcaat gtttttgatg 60
 tttatgttac ttaattattg atgtgtgcta cgtgcaaatt acaaagtagt ccaagttgct 120
 caaactgaaa tagttttact acaacaatag ctatttaaaa agacactttt ctattgatgt 180
 gtcacacatg attggatgat agtataaaaa ctatgaaagt aaatcaaagc taaactcgat 240
 aagtttcatc tgattcttga agggattttt ctaaatggct acacgtgtat agtatagttt 300
 tagtcacaaa aataaatgac tctttgcatt tactgcacat ttttacataa aattcattta 360
 attgctatga aatcttttta aaatgggatg gtttattgtc aatgttttaa aggtgcctat 420
 ggtcattatt g 431

<210> 26320
 <211> 170
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26320

gtattctctc cttacgcac tgtgcggcat ttcacaccgc atatggagca ctctcagtac 60
aatctgctct gatgccgcat aggtaaacca gccacgacac ccgacaacac ccgctgacgc 120
gaaccccttg cggtcgcata caatattact ctagataaag aaggccatan 170

<210> 26321
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26321

agcttgtgca ctcaatatcc tgatgagagt gttccatatg ttctcaagac tgaactaata 60
catttgctgc ccaagattca tggctctgca ggtgaagatc ctcataagca tcttaaggag 120
ttccatattg tttgttccac catgaagccc cctgatgtcc aagaagatca tatctttctt 180
aaagggtttt cctcattctc tggagggagt ggcaaaagat tggctctact accttgctcc 240
cagatccatt ttcagttggg atgaccttaa gaggggtgtc ttggagaaat tcttcctgc 300
atctatgacc actaccatca ganaagacat ttcatgcac angcaactta gtggagaaag 360
cttgtatgag tactgggaaa gattcaag 388

<210> 26322
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26322

tagctgcct gagcaagttt cccctgcact taataattta taagaaaggg gggagtgcag 60
ntttttcacc caaaacttat cccctcact caagaacgca gcacccgtgg gattgaggg 120
ctttctctga ccctaagcca ccattttgtg ctttctgctt ccattgtaga gtccttgatc 180
actccataca actaagtaca ttattctttg gtccctaact tttcgctgat gtatttttat 240
gctctaaatt gtacatattt gcgcaatttc gtgacgcaat ttgtgacaaa ttcatgcttt 300
gattcattga attggggggc tgtacgggat ggccttatgc ctatgggtgtg ttctgaaatg 360
attgggc 367

<210> 26323
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 26323

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agcttatgtc tgttgacat ggtcatgttt ttacttctgt tttctatgca caatctggca 60
ttcaccccat gttgagtcca aaaccagtct gccagaatga gagttctccc tttcccacaa 120
gtacctcttc ccagtccaat cctgaaagtc actgctcaga tcaacctcat gactgttcca 180
atgatgctac ttgtcttgat caaaatgtaa aggataatac tgattcagat cacgcaaggc 240
atgagtctcc tgctgctgat cagagtgtctg gtaataatth atgcatgat gctgcaaadc 300
atgttaatag tagtgcatat ggaagcatgg acagtggaaa tgatggacat gctacttcag 360
ctatagtatc caagaacacc tcagatgggtt tcagtgatag tg 402
```

<210> 26324
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26324

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gaatgaatta actaggaatn taaaaaataa aataaaaaatn tatttcctaaa gnntttcgac 60
caatctgatt ggattcagct atctcactca taatccatcc aatctgaaga caaagaatta 120
tcagaattac gcctgttttg taacatattg gattgggtccg aattgtcaga gttatacccg 180
aaccggaccc atcctcaacc ctaggttata aatattaaga accgtattaa tattgatttg 240
atgtgatgt aatgcaaata gtccatgttt tcacataaaa caaaaggtaa aactcaaatt 300
atggctttca atttaagtta agaacgtact ttaattntga aaattctaata gcacattgaa 360
acatatacac gatataagat gcatttagat ttttaaatta tatgtataac atctcttttc 420
taaaagtaaa 430
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<210> 26325
 <211> 238
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26325

ccccgggaac caaaaacgca cgcagtttca ctttaaccaa caggcccaaa aggcggcgaa 60
cacagccacc ccccccgagg gaaggaaccg gccacacaac caccaacata ccaaccggaa 120
gcacaaaggg gaaaaccggy ggggcccac gaaggagcca acccacacna aangaggggc 180
gcctcaccgc ccgcccacca aaccggaaaa ccgaacggcc cccgccacca tgaaacgg 238

<210> 26326
<211> 403
<212> DNA
<213> Glycine max

<400> 26326

agcttttttt ggaccttggt caggcaacta actcctcttt caaaaccatg ctatgtgctc 60
gcgactgggtc cctttcctcc cttcgcaact tgagttcatt attgctaccc catagggctc 120
cgcgaaatth gttccggcca tactcttctc tgcgagccct cttgggtctct cgttcaaggg 180
ctcttgcggt aattgcattc tcttcccgta acccggcaca ctcttccga acgtgtgtag 240
cagccaactt gaacttctcc ttggcgagtt ttgcctttcc taactcgctt ttgagagctt 300
ggacttcctc gtctcttcc ggtgcttcaa aattctcttc gctgacgact tttaacttgg 360
cgagccaatc taaacctcgt atgcgaactt tcagccattc gtg 403

<210> 26327
<211> 437
<212> DNA
<213> Glycine max

<400> 26327

tactcacgct tctacttatg tggcagggcg ggcttctctc actttctatt ctccaacgcg 60
agctctgacc actgttcttc cttcccgcca tgcttctttt catgtccgcc tgagtgggct 120
tatagcctaa accatacttc ccacgatttc cttgggtttt tatcacgcta gttatgccgc 180
cattgtcttt gcctaaacct atcccggtt cataaccgtt ccccaacata actcgggcca 240
tcattaccgc cgcacggac agacaagggt gcccaaagag ggagtccacg gaggaatgc 300
tgaccacctc aaaagactgg aaagcgggtt ctaacgattc ttctgaggct tccacataag 360
gcattggagga tgggcagctt accaagatat ctctctgcc tgacacgatg accaagtgcc 420
cctccactac gaatttc 437

<210> 26328
 <211> 463
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26328

aaattgaccc tgaacacgca canctcagga aantccacng cngacagga ganacttcaa 60
 aaacaacccg acaggtttca ngctaggccc cacctagaaa cacggggagg ataatcgac 120
 gcaacaagcg cccaccaa acgaaagacc gccaacaccc agaacgcaac gcggcaagac 180
 cacaagagg caaggaaaac agaacgcgca caactagcac aagcgcgaac ggcaatcgcg 240
 cacaacaaac caagacaaa acagcactgc aaccgcggc accaagagca cgaaccagac 300
 caacaacacc acgcccac acaacagacg caccgtacaa gcgcacccga ctgtgggagc 360
 acggggaagc acggaacgc ccggcagcga ccgacggccc caccacccc aacaatctca 420
 tgcgaaaggc ccaaagacc aggacaggac ggacggacgc ccg 463

<210> 26329
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 26329
 agctttaatg gtttatcatg tagaagatga gttagataaa aattggagta taccataca 60
 tctaaagtca caagacttat acaacatggg tgaatatgat gtgtcatttt ccatggatgt 120
 gagcaatttg aacatcaaaa tttggaaata ctatttcac atggggaaaa gaatatacat 180
 ttagcaaggc cttgttttta attatcattt tctttattaa tttgtcattt tatttactaa 240
 ttgtcattta tcatcattat tatttatgtt atttattaaa ttggtgtttg acttcacta 300
 tgttattgtt tcctaggatc tttgaagatg aagaaacttt tcaccaagaa gactagtgc 360
 attccacata agatcaagaa tggctttttt agccaagttc ta 402

<210> 26330
 <211> 440
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26330

gcttgcgctt agtggaaactc attgctgacc atagtgtggt tctcctcgnt gttggaggaa 60
 gcaccataa cttcaccag caccagctcg tagctcagtt ggggctccct tgttgggga 120
 cgtcgccatt gcaggtcact cggtatcact tttggaagcc atgcgttgaa ccccaacacc 180
 ttgaggacaa ggtgtatttc caagggccgt ggaatgatac gagcaagctc actaaaccag 240
 atacagggga agcaccagca acaaggggtgc aaaagggaga agagaccaag agaagggagg 300
 ttaagccagc ttacctggca gactacgtat aaggacaaaa ttggaatagt gaatcagcac 360
 gaatcctgct tgggtggtgtg tgcttctca taagcagaca cacatacaaa attacaaaat 420
 atggttattag tagaatattc 440

<210> 26331
 <211> 186
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26331

cctgatgcgg tattttctcc ttaacgatct gtgcggtatt tcacaccgca tatggtgcac 60
 tctcagtaca atctgctctg atgcgcgata gttaagccag ccccgacacc cgccaacacc 120
 cgctgacgcg aacccttgc ggnccgatct gatataactc tctatatgg atgctatacg 180
 gaagtc 186

<210> 26332
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 26332

tctagcttat aatattttat tacgctcgaa attaaacaac ggaaactctc gcgaagttca 60
 aatagtcgta actattcaca cggatgtgcg gttcggggcg ttaatatgtc cagaggctcg 120
 aaattgagca acgggagctc ttgagaaact caactgggat aacttttcac acagatgcgc 180
 cattgccgc gatcacatat ctagacgctc acaattgaac aacggaagct gcttgaaaag 240
 aaaatggtca taacgtttca caccgatggc cgatcaaggc ataatatgtc ataactctca 300

tattccacaa catagatatc tataagaaat ggtctaattt tcaacggatg tcgattaagc 360
 ttatatatat gatacgctcg a 381

<210> 26333
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26333

ntaaaanttg aattaaaacg ttcagaaact actgggaatt tattactata tatgngtaat 60
 cgattacaca gggcaaattt tgaattgaaa ttttaatagc tgtttgtaaa tcagtttttg 120
 ccactggtaa tcgattacat cctctggtaa tcgattacca gagagttaa tttcttgtaa 180
 agacttttta acttaaaatt cttggccaaa ccttttgcta cttcaattgg aattcccttc 240
 ctatttaata taccctttct aagactctat agacagtctt gatcatccat cttgaatata 300
 ttttaatttct ttgtcttgaa taaagctttg agacgcatgt gatcttttg catcatcaaa 360
 acatcggtt gatcctttgt ctacaatctc cccctttttg atgatgacaa tccctga 417

<210> 26334
 <211> 376
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26334

cacagaggat atgcttacca cctcaaaaca ttcggaaagc ggtnttctat atgactcctt 60
 ctgcggcctt ccacataaag catagaggat gggcagctca ccaagatgtc ttcttcgcct 120
 gatacgatga ccatatgcc ttccactaca aatttcaact tttggtggag tggtgagga 180
 acaactccta ctgagtggat ccacgggcgc cccaacagac agctgtaggg gggttaatat 240
 ccattatttg gaacgtaact tggcagggtg gagggcctat ctgtactggg agatcgatct 300
 catccctaac ctctcggcgg gtgcggtcga tgcacgaacc accattgaac tcagctttaa 360
 gtgggatgca ttgatt 376

<210> 26335
 <211> 277
 <212> DNA

<213> Glycine max

<400> 26335

acgtgggacc tgaaagcgat cttttgatta tcggaaacgg gagagagttg cttaaggcgt 60
tggaccgtga aacaacctca tcaatttgaa gggagagAAC cggtcaggcg ttggaccttt 120
gaacgatctc ttttggggaa gaagcgcgaa ggcgatggac ctgcaacgat ctctcttgga 180
tgagaaacgg tcaggcagcg gaccttgcac gatctcattt ggggtgagaaa cgatcaagcg 240
ttggaccgtg tacgaactct gctgggtggct acaaaag 277

<210> 26336

<211> 399

<212> DNA

<213> Glycine max

<400> 26336

tctagcttgt tcacttatcg ttgcgcagta tgatatccac tcgacaaggg ttgaagcata 60
tgagaccttc aatcctataa cgcaacgtgg cagacaaaag tgggcagcta actagaatgg 120
ccattattgc caatgcggaa agtatattgc gcttcactat acatgctcac acattattgc 180
aacttgtggg tacatgagca tgaactaata ccaatatata gatgttggtt acacaaatga 240
gcacatctta taagcttact ccgcacaatg gtggcctctt gggaatgaag cggcaattcc 300
tccttctgat gacgcatgga cacttatccc taacccaact agaattcatg cgaaaggctcg 360
gccaaaacca acaatgataa ggaatgagat ggattggct 399

<210> 26337

<211> 400

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26337

tccatcanaa aatgtcttag attgcatttt atgcatgctt ataatggtac taaggataat 60
attgagggtc atgagatact gggtgagggt ttgggatgga aagtgtatgt aactggatgt 120
ttgcatacaa ttcaatgcat gtaaaagcct catgttgacg aataacaaaa attatacctt 180
tgacgtcttc attgtcaaca agttgcaact ctataaatat gagcatttcg tgccccactg 240
gttgtgcgta tcaaaatcaa atatctcata cttgggtctag tgggtgaagt tggatcattt 300

ggtggatttt tcttttcaag tgtgaggtct tgctttgttt gaaagaacgt atggtggngg 360
tattgaaacg tatcccccttc attntttgta ttatttgatc 400

<210> 26338
<211> 398
<212> DNA
<213> Glycine max

<400> 26338

tcaagcttta taagctcgga gctgggagac aaaggtcaag cgttcgcgat atgcgaggat 60
gatattccga gtactttgga tttggtacga ccatgccctc ctgatttcca gctgggaaat 120
tggcgagtgg aggaacgccc cggcatttac gcaacgagca taatgtaaac ctttacgggt 180
ttaaagctc tatagttggg cctaggcttt agagtttttc cttttgttaa ggctttgtgt 240
cttttgtttt tgaatttata atacaaggat ctttcttcat ctgttcctgg tctctaccca 300
ttctcattca tttgcatgtt tacttctttt tctgaaacgg cagatccggg gacgagtcct 360
ccgaaggtag ttatacctgt gaccgccta tcgacttc 398

<210> 26339
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26339

tctaaactnt gtacaagaat gaagctctga taccacttgt tagacttggt gcctcagata 60
tcttaagaag ggggggttga attaagatat tccaaacttt tctcctaatt aaaaatctat 120
cttacttttt acttaagtta tgaattccct taatgacaat cttcttaaat attaattcaa 180
atgaagcaac ttgaattatg aatataaagc aataataaat aaaggagatt aagggaagag 240
aaaatgcaaa ctgagtttta tactgggttcg gccacaccct tgtgcctacg tccagtcctc 300
aagcaaccgg cttgagagtt ccaactaactt gtaaattcct tttacaagtt ctaaacacac 360
aaggacaacc cttcctttgt gttagagatt tttaaacaag agactcacag ctcttatccc 420
tt 422

<210> 26340

<211> 313
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26340

cacaagtctc tattacgcc aacccaaagg aatttaatat ggatttttaa aacaaggcca 60
 aaggtaacat tccgggtcaa atacccttat caaaacataa agggctgaag ggtgtttcgg 120
 attctacaaa tggaacatc attttgaaat tccgatcatg ccaatgtgac cgggtgttag 180
 tgaatgccgc anaaataacc tcaatgttat aaaaagataa cttttacaat gtctcattct 240
 ctaagttttt tcaaaggaag tataaaaaaca tcatattaca gtacccaaca cataagagac 300
 cctaagagga act 313

<210> 26341
 <211> 412
 <212> DNA
 <213> Glycine max

<400> 26341

tgtgctttga aaattatgtg catggaatat ttttgagttt agaatgctga actgggatca 60
 tccatttcta ttttctagtt tagttattaa ttcattgaggc tgcggtaaaa ctgggtttacc 120
 ttacagttta cattggaggt taaaaaaga taatgacatt tatattatgg gttatttaag 180
 gctcatttaa agttaagcat aggggttggg tatgagcttc tctctctctc ccggatttag 240
 ggagattctt ttttcttttt tcttgacagt caacatgggt ctctgtatt atgactttgt 300
 ctttgccaag gtattaaaat tttaaaggca acaagtgatg gtacaatata tcttattgca 360
 ttactatta atttagctat cttgaaaata ataataatga tacctcctat gt 412

<210> 26342
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26342

agctttgtcc gcaaaaatca ctgaaaaacc gttttaaggt ccaacacctt aaacagtcct 60
 ctttgctttt atcgggttaac atggaccggt caaaagcata aaaaatcaac acatcacttt 120
 actgcctttt gaaagaacta cgtaggtctg atttcctctt cgatggagga tacgtgggag 180

caaaagcccc gcttttgtcg acctcaaaaa taaaaagaga caaaaaattt agatacatga 240
 ttccacacaa ctctaatacta aggcgtgtgt cctttgggac aaacgtgaaa ggtgctaata 300
 ccttcctcaa gcgtaaacat aactcccgaa tctggaatat tctttatgac agatttcctt 360
 tgggttttct aacgttttcc ttttaataaa cgg 393

<210> 26343
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26343

agaaactcaa gctgaggata tggggactca cacatgttta ctatgtgcgg ncgggcatg 60
 gtgcacaaca agtattccac atccacaaag cgtgcataaa cccaccatcc cctggtgccc 120
 acctccaact gagctcacgt actcccacgt agcccatatc tttgattctc tcaacaccgg 180
 gtcccatca atcctcccaa gcttcccaa catcaaagta atacaacatt caaacaacac 240
 aagctatcac agccaagcaa aacagggcaa aggcagataa ctctgcccaa aacaccaacc 300
 aaaatcacag cttttcacat acaaatagcc cagatacatt ttcttcgctc ccattcggtta 360
 accgtgagat caactcgaaa tttttactgt atgactctag tacataagcc tac 413

<210> 26344
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26344

agcttgctac attattaggc ttacaagtta ccaaatccaa ggtccatttt tgccttgtct 60
 ttcatataag ccttaatgat tttgtgctta aaaggcgcct catgggttaa ggaagaaaaa 120
 catttaaaaa ctactaatgg catttgaaat tcattcctaa agcatgtgac ttgtgttagt 180
 gtacccaaat agtagccctt aattaaggct tagggactaa aggttttatt aacctcactt 240
 tcccatcctt tcacatattc caatatattg aaagaaaaaa atagacccat cctttcaaat 300
 attccaatat ttggacggaa aaatggggag gaattntagt cccctcattt tccctcttat 360
 ctctctcaa tcttaaataa aatgaagtaa aattataaat aaa 403

<210> 26345
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26345

gcttcttccn caattntcta taaatagggg gagaagtgat gttgtcaagg gtttatcccc 60
 ttaggcactt ctctntcttt cgaatttgct tagaaaaatt gtttccgtga agaaaatcca 120
 agccgaggcg cttccgtaac gtttccgtga gtgatttcgc gaagggtttc gaccgttctt 180
 cgacgttctt cattcgttct tcatcgttct tcggtcttca acgggtaagt acctcgaacc 240
 aagcttttcg attcattcta tgtaccctgt gtgggccaca ttgtatttcg tgtattttcc 300
 ttctcgtttt catttacttt ccgtaccctt tttgacgtgc ttaagccatt ntatttaagt 360
 catttctcgc ttaacctaac aataaaataa atttccaccg atcgtttgaa ttgtattatc 420
 cgtgaacttc 430

<210> 26346
 <211> 531
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26346

ccccccgcg cacacaacna catagataat aaaggagcta ggagccgaaa gcataaacia 60
 cacaaaacag agagacactg aacctganac ctggaacanc aaggcgaann cnacnncggg 120
 cccggggaac ccccaaaggc gaccgcgacg catgccagct gtgtaaccaa aagagccacc 180
 cagaaagacc ggcgcaaaca cggacatagc aagatcctgc gcgaaaacgt catccgcccc 240
 caaatccaca caacacacga accgagagca aagaagggaag agccgagggc ggcgaaagag 300
 tgagccaacc cacattacaa gcggtgcgca cactggccgg agccgagacc ggaaacctgg 360
 aangccagct gcaataaaga gacagcaacg ccaaaccgga gcagcagcga aggcaaaacc 420
 aaccccagcg ccacagacag taacgaacac ggccatcaga cgctagcaca ctggaacgca 480
 atcagcgaac gcaagcggac caggacagcc gagaaacaac gcccgcccg g 531

<210> 26347
 <211> 295
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26347

cccccccca cgacgagaga aagaaggaga aaaaaaagat gacgacgacc gaaccaanac 60
 accgacgaga ccaaaacgag tgcattacgg aaaaaaagcc ggaggcacca aaagcccagc 120
 cgaggccacg cggcaagaga acaccacaga cccgcgcaaa aacaagccaa gccacagaag 180
 aggaaaagcc aagcaccgga gaaggccaag acgaggggga accggcaggg ggccgagcaa 240
 gagagaaaag cacaccgaga accgaggaaa agaaaaaaga gggaaaggcg agagc 295

<210> 26348
 <211> 486
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26348

agggcccgag gcncattgac ccatgatgan ccattgtanc natcgaacan cacnganacn 60
 caagccccna acggacgaaa gagcanagcg cttttatcgc ggttttatga tgtttacgcc 120
 aggcnnacgg gacccgaaat gctaccacag agtaacgaac aagtgaacct gattcgacag 180
 aagataaaaag catctcagga taggcacaag agctattatg atagaaggag aaagccacta 240
 gatttccagg aacgagaaca tgtgtttttg aacgcctctc ccgtaaccac agcctgaaga 300
 gctctcaagg ctaggaagtt gacacccaag tatctaggcc cgtatcacat tctgaaaaaa 360
 acagcgcttg caccttatca tatcgctta cctcccaggt aatcgaactt gcatcctgtg 420
 gtccaagcgc tcaactgacg cggacaaccc agagccatcc atatacttac actggacgcc 480
 acacag 486

<210> 26349
 <211> 469
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26349

nagactaccc gcagctttgc agctgacttg ncgaggagcg cgggacgaca caaaggagca 60
tgtgtcacgc ngaccaagca caacgacgag aggtgcccag aacattgtgg atattggtac 120
ggacacactg tcccgtcact gtaattatca tgctcggtgg caaattgtgc agagatgtga 180
gcgaatcgca ccaccgccat cttagcgcaa cagagcacta accgtataac ctcttacggt 240
gtttagaaag gctctatata ttgggcgcta cgcttttagca gtgtattcct ctctggtaaa 300
gcattgagta cttttgggtt tgaatatata acacaaggat aatgcttcat ctagtcctgg 360
gctctacca ttccataca tatgcatgtg tacttctttt actgaacggg cagatctcaa 420
gaccagttcc tcgatcgaa tttatcttgg aacgcggtct ctactgccg 469

<210> 26350
<211> 94
<212> DNA
<213> Glycine max

<400> 26350

caaatcacca cggaaagatc ttggctgatg gacagcacta ccgacaactt tatacaaaaa 60
cacttagtcc accaattggg cgctaccaga acta 94

<210> 26351
<211> 406
<212> DNA
<213> Glycine max

<400> 26351

agctttcttc aattggaat cagagcaca gagcttcaag taggtgctcc ttaaattctcc 60
attaattttt cttgctttac cttctcttcc attgttggtt cttcattttt tctccatgta 120
tctcctcata tgtcttgtgc taaattttgt taacttgatt ctttagagtt tccatcgatt 180
aaacttgcta tagaagctac atttgatttt ctatgggtca aatttcttgt tcttggtcct 240
gaaccatgaa ttgtgttgag ttttaagatcc tttgagtttt gtcttggttat tttttgtggc 300
tgaaaccta atcataaaat tcttacaaaa atatcaaagt agaagaaaac ctcaaaaatc 360
tagagtgact tgttcaccta ttgtagtttt gtcatagaag tcatgt 406

<210> 26352
<211> 358
<212> DNA

<213> Glycine max

<400> 26352

tagaacaatg gaagctgtcg agaaattcaa tgtgtctatc ttctttaacg gatgtagac 60
tcggacacat aatatatcga gacgctagaa attgaacgat tgaactctct cgagaaattc 120
aattggtcat aacgtttcac acggatgtcc gattcgggcg cattatatat cgtgacgttc 180
gaaattgaac aatggaacct cttgagatat ttaaattggc ataactgttc acacgaatgt 240
ccgattcacg gacttaatat atcgagacgt tcgaaattca agaacggaag ctttcgtgaa 300
attcatatgg aaataacttt tcacatggat gatctagtca cgcggatcat atattgtg 358

<210> 26353

<211> 137

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26353

ctgccgggcc ggagagaaaa atcatgccga cacctcatat acaatatatg tctacgtacg 60
atattatgac tattaacgcg tcacaccact cgtatagggc tccattatct agcttagaag 120
atacgctccg acctgcn 137

<210> 26354

<211> 124

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26354

actctcagta caatctgctc tgatgccga tagttaagcc agccccgaca cccgccaaca 60
cccgtgacg cgaaccccnt tgcgggcgcat cgnagataac ttcgtataat gcgtgctcta 120
cgaa 124

<210> 26355

<211> 390

<212> DNA

<213> Glycine max

<400> 26355

agcttttctaa caaaaattgt catgcagggtg gaccttcttc tagtaattcc gacttacagc 60
 agcctcctat ccctcttcca tccccaccta gagcaattcc aaacaaaag atggaagaag 120
 tggaaaagga gatcttggag accttcagaa aagtcagatt ccaagatatg ccaaatttct 180
 aaaggagttg tgcaccacaca aatggaagct caaaggcaat gaaaggatta gcatgggcag 240
 aaatgtgtca gcattgatag gtaaatttgt tcctcacatt cctgagaaat gtaaggaccc 300
 aggtactttc tgtatacctt gcattattgg gaacaataaa tttgagaatg ccatgctaga 360
 tctaggagca tcagttggtg tcatgcctct 390

<210> 26356
 <211> 419
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26356

tggagaggat gcttcaatgg aggaatttat agaggcagtg aaagagtgag ggggagcacg 60
 aaattgaagg aagaaaaatg gagagaaggt gaactttgag ttgtgtctca caagactctc 120
 attcatcaaa gttacaacaa gtgttacaca tgcttctatt tatagactaa gtagctgcct 180
 tgaaaagctt tcttgagaaa acttccttga gaagcttctt tgagaaaact tccttgagaa 240
 gctagagctt agctacacac acccctctaa taactaagct cacctccttg agaagcttcc 300
 ttgagaagat tcctanagaa gctagagctt agctacacat acgtgtgtaa tagctaagct 360
 tacctgcttg agatgagaag ctagagctta gctacacacc cnctatgata gctaagctc 419

<210> 26357
 <211> 395
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26357

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 ggtttctaata gactcctctg cggtctccac ataaggcata gaggatgggc agctcaccaa 120
 gatgtcttcc tcgcctgata cgatgaccaa atgctcttcc actacgaatn tcaacttttg 180
 gtggagtgtg gagggaaaca ctcccactga gtggatccac gggcgcccca acagacagct 240

ataggggtgg ttaatatcca ttatttggaa agtaacttga caggtgtgag ggcctatctg 300
 tactgngaga tcgatctctc ccctaaccta tcggcggtg ctgtcgaagg cacgaaccac 360
 cattgaactc ggctntaagt gggaggcatt gaatg 395

<210> 26358
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26358

gacctataaa actcagctta ttggacaaag gcaaactcta ttgnnggata tgatggagaa 60
 gcagnacttc ttggacctga aatgctacaa cagattaacg aacaagtga gttgattcga 120
 gagaagataa aagcatctca ggataggcag aagagctatt atgatagaag gagaaagcca 180
 ctagattttc aggaaggaga acatgtgttt ttgaagggtt ctcccgtaac cagagtcgga 240
 agagctctca aggctaggaa gttgacaccc aagtatctag gcccgatatca gattttgaag 300
 aagattgggc ttgtagctta tcatatcgcc ttacctcga gtttatcgaa tttgcacct 360
 gtgtttcatg tctctcaact gaggcggtac aaccagatc catcacatat acttacagtg 420
 gacgccac 428

<210> 26359
 <211> 398
 <212> DNA
 <213> Glycine max
 <400> 26359

agctttataa gctctggttc gggagacaaa ggtcaagcgt tcgcgatatg cgaagatgat 60
 attccgagta ctttggtttt ggtacgacca tgccctcctg atttccagct ggggaattgg 120
 cgagtggagg aacgccccgg catttgcgca acaagcataa tgtaaaccctt tacggtttta 180
 aaagctctat agttgggcct aggctttaga gtttttcctt ttgttaaggc tttgtgtctt 240
 ttgtttttga atttataata caaggatctt gttcatctg ttcttgggtc ctaccattc 300
 tcattcattt gcatgtttac ttctttttct gaaacggcag atccgatgac gagtcccccg 360
 aaggtaactaa tacctgtgac ccgtctatcg acttcgag 398

<210> 26360
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 26360

tatactccct ttcgggtcac ttagccccga aaacattatg tattttgtgt tgtattgcaa 60
 atcaccaagt agtgatcttg gttgatggga gcagtaccca caacttcata cagaaacact 120
 tagtccacca attgggccta ccaacacaaa ccacaccttc tctcaacgtc atgggtgggta 180
 acgggcatca cctggattgt cgccatgtct gtccagcact tgcagttcat attcaggaca 240
 ttgtcttcaa tattgaccta catgtcctgc tcctgtgtgg tactcacatc gtattaagtg 300
 ttcaatgggt caaatctctt tggccggtgc taacggatta taacgactta tccatgaagt 360
 tctctcgcaa c 371

<210> 26361
 <211> 387
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26361

tcaagctttg aggggtgcga gcccaaccatc ttttcatagt agagtaccga taatgtgtct 60
 accatcacga ttatcttctc cctttttgca catgttctgt agttgcatcc tatccggaac 120
 catatcagaa tagtagtgat actgcctaac gaaggcaacc attaggtcct tccaagtatg 180
 gactcgggaa ggttccaagt tagtgtacca ggtaacagct accccagtaa gactttcttg 240
 gaagaaatgt attagcaatt cctcatcttt gcgtatgcc ttatcttccg acaatacatc 300
 tttggatggg tcttggggca agtagtcccc ttgtacttgt caaagtccag caccttgaac 360
 ttgngagggg tgatgatatt ggggtact 387

<210> 26362
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 26362

tgtacaagaa agtgtcattt atcggttcgt atctcgggtg atcttgaagc tggttaattag 60

gctgatcgca tgaaaatgct gtctgttgaa aagattgctc atgcaatccc ccacatacac 120
 ttgaactgct agaatgatct ttatcatgca gagatgggtc aagctcaatt tgattattga 180
 atctttcttc aaagaaatcc atgataaaaa gatttttagg tgaattaaaa ccttcagttg 240
 cacttattcc ccagtttgac caatagtctg gtgaaggatg cctgtccaat aaatcctgat 300
 ctctgggaac cagataatca ttaatgccgt tcccatagta ccaatccatg atctagtatc 360
 tgcacatcac ataggatcaa agaaaatgaa gattaacatg t 401

<210> 26363
 <211> 341
 <212> DNA
 <213> Glycine max

<400> 26363

aacttcaatg gcttttccct ttgccgcttc ggcgacgatg gtgtcacctt ctttgacctc 60
 tctccctcgc gtctcccttg atcacttgta cacctctagt gatactgact cactatgagg 120
 tgcaacttat aagccactag cataaaacct cgttggctat gtgtcaaccg tcaataagaa 180
 tcttattacg tcatctaggg tgcagaatgc tactgactct gcccaagtct ttctgcacaa 240
 gagttagaca atcttggaag agaatggaca gtgacaccaa gatgctatga ccaaggtggc 300
 aaccttgac gtggagggtca ccaaacggaa ggctattgat c 341

<210> 26364
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26364

ttcaccccat aattccccca aattggctnt gaaccaaatt ttctttttat gaatgatgct 60
 ctctacaac ctaagacaag gtagaaggag ataaactata taggctcaag gttcaatcaa 120
 acaatcttac tttcagctca naatgggtgc aagggataaa tcaatcatgc acaaggtaac 180
 tttttagcta agtggctatc ttcaatcaaa acatggcctt catcatcttt aatttcacgc 240
 attcattaca tactcagaga ttcatgcaaa aaccattact taacgttagt cgttctctca 300
 caattaaaga tcacactctc accgggttgc ggctaatacg ttcttcaca attaacctga 360
 caaaccaact aacattntta gtcatgatcc taattccatg ctctttc 407

<210> 26365
 <211> 355
 <212> DNA
 <213> Glycine max

<400> 26365

ttagcttcta ttttcaatat ggagcggctc gacgtattac aggactcaat cggacatccc 60
 ttgatcatgg gattggcgac tgaaattgct accagctttc gatctcgagt aggagcaact 120
 ggatgaactt ccggacacaa cgcgacatac gggatgaag accttgacgg ttctataagc 180
 tctaagcttg ggccctagat ttagagcgtc tccatatggt acgggactgt gtctgacgtt 240
 ctagaatata gaatacaggg atcgagcttc atgcgagcct gggctctacc catgcagcgt 300
 cattagcaag tacacgactc tttctgacac gggagatccg atgactagtc ccccg 355

<210> 26366
 <211> 325
 <212> DNA
 <213> Glycine max

<400> 26366

tataaaaactc agcttttagtc taatttgaat tctcgaatat tatccgatgt tatcggacat 60
 ccaagtaaaa agatattggc atttgaattt cctatgagct tccgttttca atttggagca 120
 tctcgatata ttacaggact gaaccggaca tccgtgtata aagttattgg catttcaatt 180
 ttctcagagc ttccgatcta aattttgagc atctcgatat attacgggac tcaatcagac 240
 atccgagtca aaagttattg tcgttggaaat ttgatacgag cttacgcatt caatatggag 300
 cgtctctcga taaattatga cactc 325

<210> 26367
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26367

agctttttgt ttctactatt ccaataattt cctagtggcc ttatggaatc taaaataagt 60
 cttactatga cattgggtgca atggattttt atggtcatat aaaaaacata acaaagatca 120

agaaaggaaa tccaaaaaac atgtagaaac tagcttgagc cgcctttggt caaagctgta 180
 gaaaatgcag aaactatggt gctcatccct tctggtggat tactagttag cctaaactag 240
 aaaagctggc ctcatatgat gtttcataa tatgtcttgt aattttggct tttgttatct 300
 ttagttcttg ttgtgtttta tgaagaaata ttatgcatga ataacttcta ggatggatat 360
 tntatggatt gcaccaatgt taagcttttt gtttctacta ttc 403

<210> 26368
 <211> 435
 <212> DNA
 <213> Glycine max

<400> 26368

ctcaagcttc cacgtgaagt cgccagcagc actggcgggt tgggctttta cgtgtctttt 60
 gccattaag tcaccattcg agcttgcggt ttgcatgcaa aatgcatgca gccacgtag 120
 aaaagagcac catgccggaa attgttccaa aaggacccca tttggggaat aagtctgcaa 180
 aagggaacca ttttgggaaa ttgcttcac tacttaccaa aactagagaa tgactttcgc 240
 atgggataac agctctccaa ctacagttct tcataattct ctcttcacaa tatttcacac 300
 aaacgcacca gtgctctgtg cttatttata agacatatga ataatcaat ttatttttta 360
 ttataaaact ttatttcatt tctttcttca ttaattcttt tattaataa ttcttattta 420
 ctctaataat gaaat 435

<210> 26369
 <211> 395
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26369

agcttttata tatatttgga tctcctatta ttttatgaaa tccataattt tgaaaagttt 60
 aaatatatat ttggtcatgc aagttcacca ttttttaatt ttgattccga tatatttttt 120
 tattcatttt agtctttgta aatttatggt ttttttttaa ttttagtctc ctaattttat 180
 gttttttcaa ttttagttcc tataaaaata aattcatagg gactaaaaat gaataaata 240
 agttttggga tcaaaattgt aaaagtacaa acttagagga ctaaaaataa atattttttt 300
 tttacaaaaa taaaaattga aaaaacataa atttacaaga ataaaataca tattttaaac 360

attntaacta acattgtgga tnttgataaa taaga

395

<210> 26370
<211> 426
<212> DNA
<213> Glycine max

<400> 26370

actcagctta acaccgaaat ttagttaggc tacttggttt ctgttttttaa ggaagattta 60
gttgcttgtc tatgaatatg ttcttaataa aagccttgat tgcttcatat ttggtaagtt 120
tgaatatctg cgaaattaga ttgttagtat atgtctatta atttagtttt ggttcaagac 180
acaccgagta ctaatatggg tttaacattc atatggttgt ggtgtgtatg tatagatcca 240
ataaagaaaa cacaattgaa ttggcaaagg cgtacaaaa tcattgaagg tattgctcga 300
ggcattctct acctccacga ggattctcga ttacgaatta tacatagaga cctcaaagca 360
agtaacattc tcttggacga agagatgcat cctaagatat cagattttgg gatcgcaaga 420
ttggtc 426

<210> 26371
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26371

agagtgcac acacctccga attcaaaagc gagccaacaa caccacgttg gatctcacac 60
ccacacacct gactaacgac acagctgctt ctattcgacc caaactacta cgtctacatg 120
ttatccgtct tactatatcc gcgagacata ntcacgcatc ttacgatgca gatcatgccc 180
ctcaaacctt cattgagcgc gccttagcac gttcaagcgc aaagatatgt tacacggacc 240
gagcgtgaaa actatacacc tgcgtctttg acttgccatg 280

<210> 26372
<211> 485
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26372

agagtnncca tgaccctttt gtgaacgttt gaanacttcg acacaccccn gcancnncag 60
 ccatacaccc aggcaacgca nnaaggatga tgcgcgcatt agacattttt acacgcacca 120
 agccctcgag agcttggcct atcaactgca agctaagcag tggtcctaca tactcaaaga 180
 cgggctgtat caacactaaa accggacgag atacataaaa ggaacgaacg atggagttaa 240
 acaagattaa aatgtgcaga gatgagcatg tcttatgaga gaaggacctc atacgcacac 300
 ttagaacaca gtatacgtgc ccgagaggga ctgctaagga cacagagaat attcaaacta 360
 tattcactta cttagagaac cactcacgg cgagcatcag aacaaaatat attgtgacac 420
 tctgcttaag aacatctacc cacactgtcc caacagatgc attatctctg atatgacacc 480
 aacct 485

<210> 26373
 <211> 507
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26373

accgcccga caccaacaca agagaaagaa acggaaggaa ggagggaana atanaaaaaa 60
 aagagagaaa tgaactggta ccctcgaccc ccgacaaaca acnagcnccg ggaacaacaa 120
 gacaccgcag cgtgcaactc tcaaaaaaag ccaaggaaac gcaacaccgc gacgccccaa 180
 agcgcanana cccaaggccc acaacgcaag aagagcaccg gccgcaccga accacgggca 240
 gagcgcaaca agagcacacc agccaccacg aaaaggggca cgacaccgag aggacacaag 300
 ggcaagaacg gagcacccca agcaccggac accagaagcc gggcggagga cccaaccgaa 360
 aacacaacac ggacacaaag cgacaccaga gagacgcggc ccaccaacca gacaagcgac 420
 gccgcaaacc aacgaaccaa aaaaaccccg aagcaccgaa ccaaaggcgc aaaagaccg 480
 aggcaacacg gaagcacaca acgagcg 507

<210> 26374
 <211> 146
 <212> DNA
 <213> Glycine max
 <400> 26374

aaatccaagc cgaggcgctt ccgaaacggt tccgtgagga attccacgaa ggttgcgatc 60
gatcttcgac gttcttcatt cgatcttcat cgctcttcga tctacgacgg gtaagtacct 120
cgaaccaagc ttttccattc attcta 146

<210> 26375
<211> 395
<212> DNA
<213> Glycine max

<400> 26375
tcaagcttct caaggaagat gtctcaagaa agcttgtcaa ggaagttttc tcaagaaagc 60
ttctcaagga agctacctag tctataaata gaagcatgtg taataacttga tgtaactttg 120
atgaatgaga gtcttatgag acacaactca aagttcaact tctatccott tgttccttcc 180
ttcaatttcg tgctcccccc tctctctttc tctccctctt tctttgcctc cattgaagca 240
tcctttccaa gcttcttatt cgaggctcat cttggtggtg aagctccttc ttccatggct 300
tattccctag tggatggcgc ctctctcac ctcttctcct ttgtgttacg ctgcatctac 360
gtggtggaat atcaccatta aaggatctca ttgaa 395

<210> 26376
<211> 406
<212> DNA
<213> Glycine max

<400> 26376
tcaagaaaaa gatggcctta tcaaactcct tattcctttt ggaattctat caatagacct 60
ccaatcttta atggagaggg ttaccattac tggaaaaccg gaatgcaaatt ttttattgag 120
gcaatagacc taaatatttg ggaagccata gaaatagggc cttatatacc caccacagta 180
gaaagaatta caatagatgg cagttcatca agtgaaagta taactataga aaaacctaca 240
gatagatggt ctgaagagga tagaacacga gtacaatata atttaaaaagc caaaaacata 300
ataacatctg ccctgcgaat ggatgaatat ttcatggatt caaattgtaa gagtgctaac 360
gatatgtgtg acactcttcg gttaacacat gaaggaaact acaatg 406

<210> 26377
<211> 396
<212> DNA

<213> Glycine max

<400> 26377

ttaagcttat tagaacaaca atgcctcaat catttccaaa tatgcatggg aattgggacg 60
catcaacaag aatcaagcca aggctattgt gcaagcaatc aatggggcaa aacacaccaa 120
atgattatga tgatggatgg ctcaaattct cacaaaggta aactcatcac tttcaaattg 180
agctttcaaa actatcatga catgtagaga agaatcaagg atttcaagtc acaaaatgtc 240
aagaactttt attttcaaaa caattacca tttcttgaac atatcctata attcaaagaa 300
aaacatgcaa agtcgtacgt gcacacaaaa ttgaccgaaa atattaaact aaaaatccga 360
cgaaactaac aacattaaca aagtaacaca actaac 396

<210> 26378

<211> 406

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26378

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ggtcttggtt tggccagcgt ttatgactat agtcggattt tctggttcaa gagacctttt 120
tattttatta atgtctgcgg tatttaattc aagggtttt tctgcttctt cccttgaata 180
gaaaccttta tagattgtgc tttgaatacc ctcctttgca agacaaaggt ctttaaaatt 240
ggtataaaca cctttacgcg gttctggtaa cagaacaaaa gctgtataac cttttccaga 300
aggagaggct tttgtaagaa agtgaactcc ttggttatct gcaatgcaca tattgaatag 360
agcacagatg atgccctttt ttactgaaca aacaaactgc tcatta 406

<210> 26379

<211> 385

<212> DNA

<213> Glycine max

<400> 26379

taagcttggg ttcctatgcc tagaatogca tatgggcact catcttaacc tctacgagct 60
gtccctatac atatcaatca gccccacagt ccaaagctca caaaaccatg ctcatatgtc 120
attgaagcat ttcaccgagc acttggtggg cgcattgttta ggcattgaata gcaagagagt 180

gggggcaatg tggcatgccc cattgcttca gaatgcgaca taggcctagg gccatcccat 240
 acaaaccct aactcacacc aatcaagcat gagacgaagc caaaattgcc ccacatatat 300
 gcgcacattc ccacaattta gagcaccata agaagacaaa atacatcatt ggaaagatag 360
 aaagctcaat gatgagatac ttact 385

<210> 26380
 <211> 376
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26380

taatagtga tcaacttattg tgaggacttg ttgctatggt attaaatnta attgccattc 60
 ttgttgcata tttctaacca tgcttttgat tatgttgagc taaaaagttg aatgtgggca 120
 ccaccatact tagttgattg aagcacatga acaaaaaaat tgatgaatga aggggaatgc 180
 aagaagagtg tgtatgtaac ttgtcttgt gtatacttag tcttttagttt taattcttct 240
 tttgtttttg agtccttact ttttttaagt agttgtaact gtttttagtag ttttagctag 300
 tcttgcttga ggacaagcaa agttctaagt ttggagtgtt gataaatgtc atatttaccg 360
 gattctaagt tctaac 376

<210> 26381
 <211> 402
 <212> DNA
 <213> Glycine max

<400> 26381

agcttctttg agaaaacttc cttgagaagc tagagcttag ctacacacgc ccctctaata 60
 actaagctca cctccttgag aagcttcctt gagaagattc ctaaagaagc tagagggttag 120
 ctacacacac ccctataat agctaagctc accccatgcc aaaatacatg aaaatataaa 180
 aaaagtcctt actataaaga ctactcaaaa tgccctgaaa tacaaggcta aaaccctata 240
 ctactagaat ggcaaatac aaggcccaaa agaagaaaaa aacctattct aatatttaca 300
 aagaagaaag gacccaacct tggcccatgg gctcagaaat ctaccctggg gttcatgaga 360
 accccaaagc cttcttttagc agctctagcc caatcctctt gg 402

<210> 26382
 <211> 390
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26382

tctcccccaa ttntctataa atagggtgag aagtgaagtg tanaaagggg cagcccctta 60
 ggcacttctc tctctttcga atttgcttgg aaaaattggt tccgtgaaga aaatccaagc 120
 cgaggcgctt ccgaaacggt tccgtgagga atttcgcgaa agtttcgatc gttcttcgac 180
 gttcttcatt cgttcttcat cgttcttcga tcttcaacgg gtaagtacct cgaaccaagc 240
 ttttcgattc attctatgta cccgtgggtg tccacattgt gtttcgtggg attttattct 300
 cgtttcattt actttctata ccccttttg acgtgcctta agccatttat ttaagtcatt 360
 tctcgcttaa actaanaata anataaattt 390

<210> 26383
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26383

agctttatgt ttttaagcta aggtgagact ccaacaccga tagtccttat aggcttatag 60
 ccttttgtcc cacaacacaa ttctagtttc tcctcctcgt taccacttgc attgcatcac 120
 atgatcacat ctttttccaa tgaaaatggg cacaatactg gtttgacaaa tggcgaatcc 180
 gagttccctc aaagtactgg tacacaattt gccgctagtc attcccattc ataaattcat 240
 tttggacaca gatgcttctc ttgtcttgtc tgggtccctat caaccaagac taacgaccgt 300
 tcaaaaccat ataagcaaca aaaaaccatc gaatataata taaaaataaa caacaaaaaa 360
 ccatcgaata taatataaaa ataaacaa 388

<210> 26384
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 26384

ggacctataa atctcagctt tcccattacc catagtggat atcttcttag gtttgagggg 60

ttggaggcaa gtggaatctg ctagtgatgg gcatcatggt gcgccggaga ttgccactt 120
 ttgtaattca aatgctatat tgaatgtctt ttccgatagg ataaacaagc ttgattgcat 180
 gaaactgtat cattaaatag ttatgaatat tcaacagttc tgcagatgat tgatgacttc 240
 tgtaatttat atttgcgcat aatacaatgt ggttgcaatt atcaccacc cacccttg 300
 tcaagtgatt aactatttgc ataactagc atcccagtg tegtcttggc tcctgtttta 360
 accatcttat ggttctgagc aggaactact gatggccaca caaaagtact cagataggcg 420
 gatat 425

<210> 26385
 <211> 396
 <212> DNA
 <213> Glycine max

<400> 26385
 tttgcatgca agcttctcaa agaagccacg aggaagcttc tggaggaagc ctcttaatga 60
 agcttctaga gaaagctaca tgaagctgtc tcggtaaaaa cgcggcccag cctttgttaa 120
 ccgttggatc ttctcgaaat tcggtctgca acttcacaag aacttgtcc atgatttgac 180
 cgttgggac tttgagaaga tatctggagt gtgctcgaaa ctccattcc cgagagcatt 240
 tcttatttaa gcacttcagc ctttgctttc gtgtagctta agaaaaacgt catttcttct 300
 tctttcttct ttccaaagcc atttctaaag ttccaagcac tttctccatc accacaacc 360
 accattagcc accacaaacc atcactgttc tccatt 396

<210> 26386
 <211> 353
 <212> DNA
 <213> Glycine max

<400> 26386
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 acctggagat atgtcgcggg ggtcaggaga ccttggggac gtcagggtgg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaccca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aagcaggcga gctcctggca gtcaacagat aaaaggaaaa caagaccaca 240
 aagcaaggag gcttgtggtg gctggccagc tgtgaaactt gattgatatg tgagatatgg 300

tctctggttaa tcgattacca atggtgggta atcgattaca aggcttaaaa atg 353

<210> 26387
<211> 338
<212> DNA
<213> Glycine max

<400> 26387

tctagctttg cttctacatc ctggtcttct tttggagctc taaattgagt gaatatgccc 60
aaatctatgg agcaattccg gctttgattc atgctttatt ggttcgaatt taggggttgt 120
aggggatggc cttaagctta tgggtgcattc tgaagcaatg gggcatgcca cattgcccc 180
actctcttgc tattcatgcc taaacatgcg cccaccaagt gctcggcgaa atgcctcaat 240
gacatatgag catggttttg caagcttggg attgcgggac tgctctatat ttatcgggac 300
aacatgaagg atttaaaatg agtgcccgac tgcaattc 338

<210> 26388
<211> 375
<212> DNA
<213> Glycine max

<400> 26388

tgtccataaa agtaaggttt tgaagctagt tttttcaatt tctgactaag taaaagggac 60
catttttctaa acgcccgcac gcctatgaat atgagtcacc tctcattaga gtagaaatag 120
aggaacactc actctgatct agctatgaac tgcgtcagat ctgatttctt catcgcagta 180
ggagaggcat tggagcaaaa gcgccgtgt tgtctaccac cccgaaagat cagtaatggt 240
ccaacgcctt aacgttgctc ttcattccta actaaaagat cattgaatgg accgacacct 300
taaatgacct tagtgttgat tcgagacata tcttgcatat aagataggag cgtctctacc 360
agacactttg ttccg 375

<210> 26389
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26389

agctttgtct aagagtaaag ctttgatacc actagtttat catgtagcct tagtaactca 60
agaagagggc aaattgaatt catttaaagt cttttctgc ccaaccttta atcccaaagg 120
aattaaatat atccatattc tacttagtaa aaggagagt gtatatattc caaatcttg 180
atcttgata ctttgcatatc ataagtaata acactaatta taaaagtaac ttatagtagt 240
agtagtagta aatcaatttc aagattaagg gttataagtg agtgcaccgg tgattattat 300
actggtttgg tctccacaag taacttgaga tngttcaata agaataagcaa ttatagagat 360
aatctaatt atgtctacac ttttgacaac tgtacaatga cat 403

<210> 26390
<211> 229
<212> DNA
<213> Glycine max

<400> 26390

caaatgatga cacatgccga gtagtgcact attgaagagg agattgaacg atgaacgaag 60
tataaatgat cccaaccacc tgcgcagaat gctcagtatg ctcaatatga tcaggatgca 120
cactatgcct agctaactta tgagagactc tatctattca tggatctgaa ggctgtatat 180
cacatgtaat gaccctactc atgcactata tgcacatat catgtattt 229

<210> 26391
<211> 396
<212> DNA
<213> Glycine max

<400> 26391

agcttgttta cttattccct gcacagaaac tgccagtttt catctatttg gttaataata 60
taatatcaag caagatagta tttggttcac aaaaagacac atgatatccc ctgcctgctg 120
aaatttctat tttaaatact ttagcccca cttaaaatgc ttgataaact tctgaaacat 180
tgttttctgc agtctgcatg agaataattct catttctggg taatagtaat atacatcggt 240
gattcatagc tgctaattat ttctcattca aattaaaaat tctaagatcg aaagttgtat 300
ggcgtgattt tcattaacga gagcataatt aacccttcag agggcagacg aagcttgctc 360
tcctttctca atagcagagg atgggctaca tctcta 396

<210> 26392

<211> 386
 <212> DNA
 <213> Glycine max

<400> 26392

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agcttctttg tcaatggact taccttgaat taattccttc tgtcacaacg tgccttctgc 60
gggcgatcga aggcgacgct catgggtgcg ctttccaaag gaggaagat gcatggagtc 120
gccaccaacg tttattttgtg gaaaacttcg ggaaaaccga aggaaaccgg ccaaaatgac 180
aattctaagt tcgggagtag aatttacgct tgacgaaggt attagcacct ctcacgcttg 240
actcatctga ctacaacctt tcttttataa ttgaggaaac tgcattacct taacttgtat 300
gtctttctat tttttgaggt cgacaaaagc ggtgcttttg ctctacgta ctctgcatca 360
aagaggatat ctgacctacg tacttc 386
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<210> 26393
 <211> 397
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26393

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agcttgctct aaatttacat tgggtgtttgt atttatggga ggaggttgta tgccattttt 60
gttttaagag tagtgtccca ctggtaaaac taactttcca aatgtttgcc ttcgcaggaa 120
atggccccga ggaagcttgc ctcaaagagg tctaggaagg acaaggcagc cgaagaaact 180
agttccgctc cggagtatga cagtcaccgc tttaggagcg ctgtacacca gcagtgttcc 240
gaggccatca agggatggtc gtttctccgg gagcgacgcy tccagctcag ggacgacgag 300
tatactgatt tccaggagga aatatggcgc cggcggtggg caccactggt tactcccatg 360
gccaaagttg atccagaaat atccttgagt tntatgc 397
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<210> 26394
 <211> 400
 <212> DNA
 <213> Glycine max

<400> 26394

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tcgggtgtct caataggttt ctgaccttac aaggagatct ggaggaaacg ttatggatgt 120
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ttgtatTTgt gatgggcttc aattttcaac aacgacggtc tcaacatata ataaaaatat 180
atccgacaac caagtcgaaa gttatggcca tccgaatttg cgtcggcatt tgatatccac 240
tttcgagctc aatgatatat tattggggcc aatcggacat ccaagtcaac aatttcgcgt 300
gtcagaattt tcccagagtct tccttggttg tttctgggtg tctcaatagg tttatggcct 360
tatgcagaga tccggatgaa aggttatggc catttgtatt 400

<210> 26395
<211> 402
<212> DNA
<213> Glycine max

<400> 26395

ttcttacttc ttaacaaatg atgagacatg ctgagttgtg cactatgtga caggggtaga 60
aaggcttaag gagttagata tgaacccgag aaccaatgat aacaacaaag ttaaactaat 120
taaagaaaca tgcacctttc aacttgacat taaagaggaa catgttactc aacttgacaa 180
tgaactctca atggaagata agagcaacgt acaagttatc taagcgcatt ctgacatggt 240
cgcattggtcc acgaccgaca taccatggat agatccggcc tcccattggc atagattatt 300
catatgtcga gatgctaaac ccatagctta gaggaaaaga aagatgggag aagaaaagtg 360
ttatgcagtg cgacaaaagg tctccaaatc gatggtagcc ca 402

<210> 26396
<211> 396
<212> DNA
<213> Glycine max

<400> 26396

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cttgggtctc ctataaaaaa ggtgaaaggt tgggtgtgatt aaatggcaat atctgcaatt 120
tacatttcat cctacatata aaatattatc accttggttt ttgcttgag gttactctcc 180
tccacttctt tagcatgaat cttttctctca agcttagtgt agaactggcc accaaaataa 240
cattttttta aaactgagtt tatccaaaag aaaccctcat gtaacacaaa aggacagaagc 300
aagtaataat tatttacctc ttttcttctc tcagctcgct catcacactt gaaactgaat 360
ccatattttg gaagtgtctc caccctgcga gggtttg 396

<210> 26397
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26397

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 ttttgattga gttctgtctg gagagaagag gaagttgcaa ctggttgagc tccaagagat 120
 gaggcttaat gcttatgaca cgatgttgta caagcggatt gtgaaggcct atcatgacat 180
 gaagttgttg cgaaagaact tccaatcagg ccagcaagtc ttgctcttta attcatgact 240
 caagctatct ccaggtcatc tgatgtcctt atgggctaga cctctcacta tctaagaggt 300
 atagccctat ggagcagtgg aattgatgga tcctcagtta catcatctaa agagaacttg 360
 ggtggtgaat ggtcacagat tgaaactgta tca 393

<210> 26398
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26398

tgttttattg gatcttatat tcaagtggtc ctctagtga gatggagttt tagtaagttt 60
 ctctgatttt atggttatga gcttgcta atgcccttctat tatccagtaa tgttgctggt 120
 ttacaatgca tgtggcagtt ggttgattac atgggtttta tttttcagga acgtgcggct 180
 ggtgcattgg ctaatttggc agctgatgac aagtgtagta cagagggtgc actatcagga 240
 ggtgtacatg ctctagtgat gcttgctcgt aactgcaa attgagggagt gcaagagcaa 300
 gtagcattac tttttattat ttgggtacca tccagttcag ttgctaaaat ctttgaagct 360
 gttttatttg gtagatgata cctgcccaatt ga 392

<210> 26399
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 26399

ctgcaagctt ttttcttttt caaacgacta taccatatga cgcggatgac agattgagac 60

acgtatttta tagagacact tgatatatat tcccgcacaca tatgagctta tcctatcgac 120
 tttagaatca ttactatgat gatcgattga atcacgttct atatctagac actcgtatta 180
 gacttatgaa gctctgtact atatcatacg acatttactt attactcata tgaacgattg 240
 atttcataaa tatattgata cacgcgaaaa tgatatccga 280

<210> 26400
 <211> 358
 <212> DNA
 <213> Glycine max

<400> 26400

ttgcttgcca cccagctcgc ccaggcgagc aagggtggctt cctccataag caaccgcctt 60
 ctggaggaat cttccggggc caaatgggct tgtgtgctat ttgcaccccc atttttacta 120
 aatacacccc ctaccttatt ttggtgattc tttttttgta aagttacgga aacttacgaa 180
 tttcgtaacg atacttgttt tctttgcgta atgctacaga cccttggtga ttacataata 240
 attccttttt tgactattgg aatgttatag aacactccga attatgcaac gatgcttcct 300
 tctgattttc ggtgtgtcac ggaaccttac ggtagcgca tcaatacttt ttttgatt 358

<210> 26401
 <211> 404
 <212> DNA
 <213> Glycine max

<400> 26401

agctttttca aattcaaacg acaatacctt ttgactcgga tgtcggattg agtcacgtaa 60
 tatctcgaga cactcggaat tgaataccga agttatgagc aaattcaatc gacaataaat 120
 ttttactcgg atgtcggatt gagtcacgta atatatcgag acgctcgaaa ttgaataccg 180
 aagctctgag caaattcaaa cgacaataac tttttactcg gatgtccgat tgagtccgt 240
 aatatatcga gacgctcgaa attgaatacc gaagctctga gcaaattgaa acgacaataa 300
 atttttacac ggatgtcgga ttgagtcacg taatatgtcg agacgctcga aatagaatac 360
 cgaagctctg agcaaattca aacgacaata cctattgact cgga 404

<210> 26402
 <211> 405

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26402

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atcatcggtta aattaatgaa agtgataatt tatgaggaag atgaaatata aacttaattt 120
acactttcaa tgaatatata tatatatatg tatatatata tatatatgaa acgatagtaa 180
ttcaagaata tgagcatatt tagtgatcgt ttatagcaga aaatgaatta tcaggaaaca 240
attcaatgat tatatacatc actgaaggac acctcacaag atcaaagaca tgtacagaca 300
aatgaatata ttgagtgacg ctgtatccgc atcaatcggt agacacaaca tctacgagtc 360
attcagagaa caacggtgcc ttccatgcac ataaatagat cagag 405

<210> 26403
<211> 393
<212> DNA
<213> Glycine max

<400> 26403

agctttatth gaggttcct ccagaagctt cattaagagg cttctagcat actccagaca 60
tcttttcata gatcccaaag gtcagatcat ggacaagtgt cttgtgaagt tgcagaccga 120
atttcgagaa gatccaatgg ttaacgaagt ctgggaagcg tttttaccga ggtagcttca 180
tgtagctttc tctagaagct tcattaggag gcttctcca gaagcttcct cgtggcttct 240
ttgagaagct ttctcaagag acttctttga gaagctagat ccttatctat ccacactcct 300
cttttatcta aattaacctc cttaaaaata attatagatg aaaataacgc aacaaataat 360
caaacatcaa acataattac taataatata tag 393

<210> 26404
<211> 393
<212> DNA
<213> Glycine max

<400> 26404

agcttattga tgatgtggc cccgagtttg tttttgtcac cttttttctt tagataagaa 60
gttaaaatcc agcatgaggc aaatacgctt gtatgtggcc atgggttcagt catagaaagc 120

ttgtgtgaaa attcatagac ttcaatctaa cattttaatc ttttagggca catttacgaa 180
tcagggttttt tttttttcac gtgatcagaa tatgataaat taattatgta tcctacttat 240
tctatcatgt tataattcat tttagctac attaatacaa tataataata ttatcttatt 300
gttcatctta tcctattagt ttcacatatt tttttatctt gagggaggaa ccagattagg 360
aagcaccatg atagaataag ttgtctttat atc 393

<210> 26405
<211> 395
<212> DNA
<213> Glycine max

<400> 26405

agcttttttaa aacaaacaat tgttgctttg atttgattta aatgttttgt catctttttt 60
atccataaaa aatccaccta ttattgtgaa gtttttttaa tggagtaaaa tctccttaaa 120
ttcaattcaa aaaaatttct tctttgattt aatttaaatt tttttttatc ttttattttc 180
tataaaaaaa attccttatt attatgacat ttttttttaa cggaataaag tgtccttaaa 240
ttaaattcaa ataattgcta ctttgatttg atttaaattt tttgtcatct tttatttttc 300
aataaaatat ttctattagt acgaagattt ttaaacgaaa taatttaacc ttacattaaa 360
ttcaaataaa ttgttgcttt gatttgattt aaatg 395

<210> 26406
<211> 388
<212> DNA
<213> Glycine max

<400> 26406

tttttctaatt tatttataca agcactatat tatcaagaga ttcattgcaa tattttttat 60
gcaactcata taaatatttg gctcaaaaaa tgttgacatg ttgcaagacc aaattagact 120
ttctttttta atcaaaacaa gttatttcac aaaactaatt actaaaaatg agtgttctac 180
acaattatct gtttttcatg gatgattctt accatgtagg atataggagg catcacccta 240
attgttacct tatgtgtttg tctgttctat aacacgatgc gttatccac tacattccat 300
ctttgccaaa tattctgtgt tgacttaacc aatgctaaat tgaataaaaa tattattttt 360
gggatctagt cattatacat gtatttaa 388

<210> 26407
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 26407

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 tggaggaata ttctggaagg cccaagtggg cctgggttgc atttgaaccc ccatttttac 120
 taaatacacc cccttgctct ttttttgtga ttctttttcc gtaacgttat gaaattttac 180
 gaatttcgta acgatgcttg ttttctttcc gtaatgttac gaatccttac ggattacgta 240
 atcatccctt ttttgccttc cagaatgtta cagaacttta tggattgctc actaacactt 300
 ccttttaatt tccggcatgt cacggaactt cacgaattgc ctaacgatgg gtgccaagta 360
 cctcatagtg gtcaaacgag ggtcacatcc caacaacgga t 401

<210> 26408
 <211> 390
 <212> DNA
 <213> Glycine max

<400> 26408

ttcttataag actaaaaatt acacaattgt gatatctaaa agaccaaaag tgcaataaag 60
 cttatatttt aaggtttgag aaccaaatcc tttgatatgg aagtataaga acccttacca 120
 catttgatta aaagtataaa aaataaaaaat ttatttatcc atttaaatta aattcaaaac 180
 aataattgtt ttttcaaatt atacgggcct tttacctaaa aattttaaag gcccttattc 240
 tttcgataat tcaatctaaa cttcaccatt ttcaacaaag aaaaataaaa aggaaaagta 300
 gggttattatg gaatagcatg aaaaatatac atgggtataaa tttcaacagc atcatgccct 360
 tgtccaagct ctgatccaaa ctcaatcaat 390

<210> 26409
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26409

agcttatctt aatctatcac attggatgtc tgttcctttt cagcattctg aactgtagga 60

caatcttgac cggaatcttc atatccatcc tgcttacgga aaggcattct ctctttaccc 120
catttctggc ccttcttctt gttggttatt ccattccact gaaatgtttc ctgaaacact 180
cagtttacat ttacaagtca attgaaatat catgacaaaa ataatagcat atctccaaca 240
ataccagaaa gatgaatcct ttgccttctc caaagttttc acaatattac agaactgaca 300
tgcaattaca actgtgcacc aaaatttgat tagttaatca atatagtaag ttttacaact 360
tcaagctatt cttaagaagg ttttttttta at 392

<210> 26410
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26410

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attggtgcta tgaaggagta tgcaggtacg aatcttgtag cctataaatg tacaactttt 120
actttgtgac tgatcacatg ttattaaata ggcaaagagg atggcctact tgtagttggt 180
agtcaaggtc gtaagtgtcc atccccccct tccaccgtac tcaactgcaga tgcttatata 240
ccctctccca ttcacgacac ccccttttgc taaacttgag gatggcctac ctatagttgt 300
gactgatccc atgttattag tgaccttang ccactagtct aaacttgagt caccttgccct 360
taagtgtata aatccccgtgc tccctgcccc 390

<210> 26411
<211> 403
<212> DNA
<213> Glycine max

<400> 26411

tcttgcttat tacattcatc ggctaagcgc gatgcgttgc ggctaagctc atttccttgc 60
ggccagaatt gggtttcatt gagctaagca caactcatgc catctaagcc caattcctta 120
cggccagagc agcgctaagc gatccatcaa cgcctaagca cctattcctc tgtaatgaag 180
atgcactatt tcagctaagc cagctaagag ccaggcttag cgagagttgc aggtattttg 240
ttctgcagaa cttactaagt ggccctatct cgcgctaag ccatgttgga tcaagtggcc 300
tcagaataat taagaagggg ggttgaatta attatgaact tttcttgact aattaaaatt 360

tatccttctt aatattacta gattcaatta tgatttacta cta

403

<210> 26412
<211> 386
<212> DNA
<213> Glycine max

<400> 26412

tttcttagcc gacaaggcac cttttttcaa agcattacta ttcctgagtg cagggttcggt 60
gattcatgcc atgtcggatg agcaagatat gcggaggatg ggggggcttg cctcctcggt 120
cccttttacc tatgccactc acgcttattg gattggacct atatttatag tgttaattgt 180
agagaagaaa ttagactagg agcaaggata agatatatcc ttaagagctg aaataaactg 240
atataaagcc caaaaacaaa agaagcgggtg ataactagga gtagagcaag gctgcccgaat 300
ccttttgcat attggacatg gcaacaccat tagtagagag agcttgagag cataccccta 360
tcccaaagca aattgaaggg aaatgg 386

<210> 26413
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26413

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ggtgattttc caccatggag atgcagtgga agacaaagga gaagaggtaa gaggcggcgc 120
catccactag ggaataagcc atggaagaag gagcttcacc accaagatga gccttgata 180
agaagcttgg agaggatgct tcaatggagg aaaagaaaga gggagagaaa gagagagggtg 240
ggatcacgaa attgaaggaa gaaaaagaga gagaagttga actttgagtt gtgtctcaca 300
agactctcat tcatcaaagt tacaacaagt gttacacatg cttctattta tagactangt 360
agcttccttg agaagctttc ttgagaaaac ttccttgaga agcttct 407

<210> 26414
<211> 395
<212> DNA
<213> Glycine max

<400> 26414

agcttggttta ttttattatt caggatgatt gaaacttatg acttactaag taaaggttca 60
aatcacgaga tacctttatt tgaaccatg tgatttctga aataatgaga tttaaatata 120
ttttgaaaat ggtgggggat tgtgagagat tttcaaagt aaaggttgcg actcttcacc 180
agggatcatg agatgtgact cctcatgaat agttgtgaga tatgactctt catcaagagt 240
cgaagaacgt atctctttta aagattaaat ctcttcacta aaagacatga gatgggtctat 300
atatagaact aatctacatg ctagaaaata ctaaatatat caccacccaa caatttcttt 360
atatccatat catttccttt cttcccttgg gtgta 395

<210> 26415

<211> 391

<212> DNA

<213> Glycine max

<400> 26415

agcttgagat gaggaagtgt tgaagggatg aacttcctgc ttttattggt gaccacagag 60
tggtacctgg agatatgtcg cgggggtcag gagaccttgg ggacgtcagg tgggggtgcta 120
ttgccccaaa ccaagcttga ccaatcccga cccaaccggt gcatagtcgg tcagtgagaa 180
cctgtgatgt acctaagcag gcgagctcct ggcagtcaac agataaaagg aacaaagacc 240
acaaagcaag gaggcttgtg gtggctggcc agctgtgaaa cttgattgat atgtgagata 300
tggtctctgg taatcgatta ccaaggggtg gtaatcgatt acaaggctta aaaatgaaga 360
caggaggcta agatgggtctc tggtaatcga t 391

<210> 26416

<211> 236

<212> DNA

<213> Glycine max

<400> 26416

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agctccctgc atctgttagc tcggggaatt ctctgtaaga cctctttctg tcactttatg 120
cgtaatgtag atactccatt gtctactggc tcggtgctgg tgagagtaga tagccgatgg 180
gtgccccgaa tctatctcag attgacactt gttctcgcgt tacaatggct tatact 236

<210> 26417
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26417

tttgnttttac atgaggccac acaaataatc atcataaagc agaaacctag caagactaac 60
 catcatatct cccaaaaccc catacccacg aaaatcaaag gagaaagaag tccacccaga 120
 cctgaagggtg cgaagtccca ctctagaca cgcacttcac gacttctgaa atgccctcct 180
 tttgcgactt ggagcggaaa tgggcaccaa aggttgaagc tttgttgggc aacaatgggtg 240
 gatgggagaa aagaagaaga aggctgctg agagagaggg agagcttctg aatttttttg 300
 tttcgtgag tgaggagaga gaacagcttt tggcgtaaa taaaatgggtt ttctcttttt 360
 ctattattgt atttaagcaa tgccacatgt cttcatttga gtgg 404

<210> 26418
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26418

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 agtatcggtt tgaagtcctc tttaagggtg attatgtata tggatggctt attcctttga 120
 ggtcagagat ttgtcatcct aaggcttgat tgtgcttctt tagtacctcc attagtctct 180
 tttcttctc tttgtgcaat atgtactaa tgatggttg tttctcatcc tcacccttta 240
 aaaagacata tttaagggtga ggaggcaata gctttaattt catgataggc ctttatttaa 300
 tcaaggttca tggatcttct attttatttt acaacacttc ctttgaggaa tctangtgct 360
 ggatgcattc ccctaactct taatgctcca gtgtgaggtc t 401

<210> 26419
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 26419

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 gttgcaaatt cagttaaaag cttttgaaat caaactttac cactggtaat caattatagg 180
 taattggtaa tcgattacca gaaagtaaact actctggtaa cttagaaaaa tttgggaaaa 240
 cttttcttgt aaaacaaaat tgtgctatgt ttgggttttg aaaaatcttt ttcaatactt 300
 cgcttgatgaa gtcttgactt gttgcttttt gggttcttct cttgaatctt gaattcatct 360
 tctcttgaat cttgattctt cttgatgtct t 391

<210> 26420
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 26420

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 ctagttgggt taccagggtta accaaggcat ctagtttacc ttcaagcttc ttagtctcac 180
 ctgatgaaga tgaattcatg gctacttcat gcactcctct aatgacaata gcactcttc 240
 tggcactaaa ttgctgggag tttgaagcca tattctcaat taaatttctg gcttcagtag 300
 gggatcatgtc tccaagggtc ccaccactgg caacatctat catacttctc tccatgttgc 360
 agagtccttc ataaaaatat tgaaga 386

<210> 26421
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26421

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 gcagtgtaat cgattaccag aagacaatat tgaaaaaaca acttttaaga agggttttga 120
 aatttgaatt taaaagttgt aatcgattac cattgatgtg taatcgatta ccaacaacga 180
 aactcttgaa attcaatttg aaaagtcata acccttcaaa atataactgt gtaatcaatt 240
 accagaaacc tataatcgat taccagtgaag gaattttaga aaaagctttt tgaaaagaca 300

catctcttca aaccattttg aaaaggcacg aatgcccaat atatattgtgt gtctgacttc 360
agaaggcaag agagagatat tctaagcgaa ct 392

<210> 26422
<211> 390
<212> DNA
<213> Glycine max

<400> 26422

tctatctttg tgcactaagc ccaaaaactt ctctggaatt tcatcttttg gagttgggtg 60
atgcaatcct ccctaggaag ggaccactca ctagagccat gagcaagagg ctccaagagg 120
attgggctag agctgctgaa gaagacccta tggttctcat gaacctcagg gtagatttct 180
gagcccatgg gccaaaggctg ggtccaatta tctttgtaca tattagacta ggatgtcatt 240
atatttggtc cttgtattta gggtccata atgtatgtag ggtaccctag aaatatacga 300
tttttcagcc cttgtatttt agggcaccta cactagtttt tatattaagc gtagctgtgt 360
aatttcacat gcactaagtg aatatttgat 390

<210> 26423
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26423

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gcacaacaag ttttcacat ccacaatgcg cgcataaacc caccatcccc tattgccac 120
ctccaactga gctcacgtac tcccacgtag cccatatcct cgtttctctc aacaccgggt 180
ccccatcaat cctcccaagc ttccccaaca tcaaagtaat acaacattca cacagcacia 240
gctatcacag ccaagcaaaa cagggcgaag gtagaaaact ctgctcaaaa caccaacca 300
aatcacagct tttctcactt anagacccca ataacaattc cttcgatcca attcgtaaac 360
cgttggatcg aactccaaaa ttact 386

<210> 26424
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26424

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catatcgaga cgctcgacat tgaacgttga agctctgagc caatacaaac gaccataact 120
tttttctcag atgtctgatt gagtcccgta acatatcgag acgctcgaaa ttgaatgttg 180
aatctctgag aaaattcaaa cgacattaaa tttttactcg aatgtctgat tgagccccgt 240
aacatatcga gacactcgaa attgaatggt gaacctctgt gcaaattcaa acgacaataa 300
cttttttctc ggatgtctga ttgagtcccg taacatatcg agacgctcga aattgaacgt 360
tgaagctctg agccaatata aacgaccata actttntact cgga 404

<210> 26425
<211> 404
<212> DNA
<213> Glycine max

<400> 26425
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caaagtactt tcggtacctg ctatatgttg acttgaccaa cggtgttggg tatgttgcca 120
caatccttca acaccttatt cacacattct gagaggttgg ttgtcatgta accatatctt 180
catccagatg tatcgtaagc catgctccat ttttcctttg aaatgcgac aatccatggt 240
gctatggctg gactcaattg acgaaatttt tctaagtttt gatcaaacac atgcttgcaa 300
ggagtgtacg ctgcatcaaa tttgttacca tcaaaagttg taggtagata tgaaactaaa 360
attaacttca tgtataaaat aaaccttacc caatttcttg aaca 404

<210> 26426
<211> 395
<212> DNA
<213> Glycine max

<400> 26426
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aaatcaaaag aatcctagcc tgacgtatat gctttcccat aacaaccaac aactggtggt 120
taaaatatct catagccttg ggaaaaagga aactgcatta actcaccccc ttaacaatt 180

tcagctaact cgtactatga tcctatccaa ttctcattta caaagatcga tcatgcttat 240
 atttgtggat tttatttctt cattccaatg cgcccaagca gagtaacatg ccttaccaca 300
 cacattctag gcgatctata tttgtaaaat ataacaaaaa tcattaatta tatcagattg 360
 acatatgcat tgttgctata caagatagca acagc 395

<210> 26427
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26427

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 gaagtagaaa agcatgaaaa ttaggacttg ctcatgagag tttttactcg aatttgggct 120
 gccccgtgat tgatactttg cgccctaggta gcgtggaaaa agctttttcaa tagaatgtag 180
 atatatgtgt gaatataggt accatggaaa acaccttgca acggtgtgta tatatgtgaa 240
 catagggcat gaaattcttt gcaaagggtg actgaatatt gaggtcgctt cctaaatgaa 300
 tgtatgatag catggaattc ccttttgaat gcaagtgtgg cataatgtaa atagcttgcc 360
 aatatgcata agtgtgagtg aaacaataaa agt 393

<210> 26428
 <211> 394
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26428

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 cgtcctttgt cacgggaagc cggaagggtc atatcacctt cttaattgta cacatggggc 120
 actgcgcccc caaatgcgca agtaagaaga gataattttc cgggctctcg tgtccgtaaa 180
 atgcattcat atcatgcatc gcataagcat ctcttcataa catcataatg gacatattct 240
 gcatttgtcc gttatcatat tccggcctca cattttgcat gagtcatggc atcatcatgc 300
 atatgcgttc aacaaacttt ntgatctgca aaattgcata ccatttgttt tcatgtttgc 360
 tcatccttgc gttttcctct acaaaacaaa aaca 394

<210> 26429
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 26429

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 agaattttaag ttttttaata ttttaatttt ttaatagaat gttcagttgc aactgtaact 120
 tattgtgggg attcttcagg ttgaagctct agcagttcaa ttgactcaga gggaagggga 180
 actaatacaa gagaaggcag aggtgaagaa gcttgcaaat tttcttaagc aggtgagtta 240
 acttctttta tgtgatggaa gaatttaatt agaaatagga aaaaaaaaaa agaaaggagc 300
 aaagaaatat gttgttagtt tatatcttct ttacatgccc gcataaagaa atttccttta 360
 ccaatgctga gagtttagat taatttatag gcttctgaag atg 403

<210> 26430
 <211> 403
 <212> DNA
 <213> Glycine max

<400> 26430

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 gcaggaaatt ttttgtgcat gagattatac ctgaaaggaa cattctggta attaataata 120
 actagaaaaa gttgagtaga agtaaccaag agaggccaga tagccagacc agaaccaccc 180
 agagttgaaa gcctgtgaaa acagtgacaa aaaaataaga acagaggaac taaacagtaa 240
 aattcttaaa taaaggaaat tataaatact tacttattct tgacaaaatt gaccttgact 300
 cggggtaatt ctgagaaccc aggccatatt gtttcatttg gtgtgccaag aattctgaaa 360
 atctgcaagt aaattaataa atgttaatag gcctacgcca ctt 403

<210> 26431
 <211> 375
 <212> DNA
 <213> Glycine max

<400> 26431

ttcttttatg caaaaagatt aaaacaatgc aagaagttgt gccactgca aggagtgcta 60
 atacaaattg atattcatag actacattat cttgtccaat aaagtgtgtg tctatcctcc 120

taacctcaag gctcttcgat ttagagttaa ggtaggaaat aattaatgta aggggatcca 180
aaagaatttg tataattagc atttgttttg tacggagaca aacgaatttt gctgctcatg 240
gcttagctaa aggagcaagt tcctatgctg gttcccatc ctttggtgat tttccatctt 300
gtattgctga tctgattctg aagggaataa tataagtatg tttctctaaa aaacagaaac 360
ataacttgca aaata 375

<210> 26432
<211> 389
<212> DNA
<213> Glycine max

<400> 26432

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tatagcgtgt atttgaaatt tgattgattt atttgcacat actatgcata aactataac 120
tcctatgata gtactatttt agctgcttct tgatagtgat gaaaataact atcggttttt 180
gccccaaactg tgatatttca ataattattc aagtgttcct aatgagagtt gtgccctaac 240
tatgccccaa ctgatttctt cacttccaac atagaacaaa acatcacttt ccttgctctga 300
caaacacaca ctatgaaggc aggtttgctg atttggctgt ttctgacact ggcagtcac 360
attaactaaa caaggactac acccatgtt 389

<210> 26433
<211> 394
<212> DNA
<213> Glycine max

<400> 26433

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ttggagaggt tttaatgagg cataccggaa ttttacattg aataaaagta ttctttttat 120
cattattacc gactttatag atctgagtag accaatttgt ttctcagact aaatacccaa 180
tctgaggcat aaataatctg aatagactga agataactaa attaattgga taaaaaaca 240
gacaaaaaaa agattaagtt gcttagctaa aaatcaagat caaaactaaa cctagagatt 300
tggtctcaa tcaatagcta ataaaagttg gctaaaaag tgaaagtgat tgtattactg 360
agtaattcct aattaagaat tagagaatga aaaa 394

<210> 26434
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 26434

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 gacagggaca ggattgtttt aagcaatggg caaataccga gccaaatcca agatagagat 120
 gaattgaggt aaacggtaac gtggccacaa tttgctgcgc aatgtcattt cctgctttta 180
 ggtacttatg gacatgcacg agtggaagct agcctcgtga tctacaaatc gccatcccac 240
 gtccagctcc ggacaagtga gaagcgctac tgagaggctg gctagtatcc tttaaattcc 300
 tacttattat tgttgttgtt tctttaaggt gatggtcgga tgctaattt accctagagg 360
 cttctagtaa gcgaacgctg acccatagag agcgcgtacc t 401

<210> 26435
 <211> 389
 <212> DNA
 <213> Glycine max

<400> 26435

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 cattaccctt cacttaccct tagtgcttat ctcaaattgg tgtggcgttg accatcactc 120
 aaaatgactc ttcatcctc ctccaatttg caggatcccg gatgacaaga tgcaaatgca 180
 tgcattgtta tgattaaacg ttaaattcaa caattaaaca agtggttatcg tgttcaattt 240
 taattaaacg tttgctgaac cccgttgatc gagccaaatg gctccggatt cattgggcaa 300
 gatcaagagt gtatgttctt aaggacaata agaagtaaaa gacacaacac aggagggtta 360
 gatgcaaatc attaaccat ttattaatg 389

<210> 26436
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26436

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aggaccatgt gagagagcag gaccatcaca aacggaataa acacctacaa tcacaagaga 120
aaaacaaaca aaacatgaga attacactac ccaacatgaa aagattataa cccattata 180
cacaggcact tcattctaca caataatgac gatatttatt ttatccataa gagtgacaaa 240
aaaggtaacc ccgcaatttc cgataaactt aaacttaaac tctatggttt gaggtagagc 300
aactgaatat gatactactg gttatctaaa ccaataaaat ttgattagaa cagtatanac 360
tgcatgtatt agaacaaaat aa 382

<210> 26437
<211> 399
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26437

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tgatgctagt ggagttggca ttggggctgt tttgatacaa aacaaaaggc ctatagctta 120
tttctcggag aaattgggag gagccagatt gaactattgc acctatgaca aagagttcta 180
tgccattgtg agagctcttg atcattggaa tcattatttg cgttctaadc actttatatt 240
gcattcagat catgagtcac tgaagtatat caatgggcag cagaagttga gtccaaggca 300
tgctaaatgg gttgaatttc ttcaatcttt taatttctct tcaaaataca aggatggtaa 360
gagtaatgtg gtggctgatg cactctcaag gaggtatgc 399

<210> 26438
<211> 393
<212> DNA
<213> Glycine max
<400> 26438

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atgcttcttg gcagtcacat gagatgcacc acttccttga aaaataggtc aacaacatgg 120
caagcatcat caatcttctt gcaagggtata aaatgcgccc tctttgaaaa cctgtaatcc 180
acaacaaaaa tggaatcctt gtcatttctt gtatgtggga atcctaaaac aaagcccata 240
gacaaatcta tccaaggaca atcaggaata ggcaaaggag aataaagtcc atgatgcttg 300

atgttagact tagagttctt acaacaatg aaattctcaa aatTTTTTTT tacatcatgt 360
 ttcatatgaa gccaaaagaa atgctcatgc agc 393

<210> 26439
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26439

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 tacccttcga cgggagggcg acgcgagact cacgggagcg tttccaagg aaggaaaacg 120
 cgcggagtcg ccaccaatgt ttatttaagg aaaacgtcgg aaaaaccgga aaagacgtgg 180
 tctatgaact ttaagtgaag ggtttgggag ttgtatttac gcacggggaa ggtattaaca 240
 cccacgcgt ccgtcacaaa ggacggcaac ctttaataca gtgtgcgaat atgacttcaa 300
 tttatgttac gttcttatgt ctttttatgc ctttttatat tttttatctt tttgtggtcg 360
 acaagggtgt ttcccttgc tttacgtatc cct 393

<210> 26440
 <211> 393
 <212> DNA
 <213> Glycine max

<400> 26440

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 tttcccttcc atttgtgcca atttagtcgt tgcgaatgtc tcaggtaata aattgactgg 180
 tgtgattgaa aactgctttg atcaatgtct caagttgcag tacttggatt tgagcaccaa 240
 caatctgagt ggaagcatat ggatgaagtt ttcgaggctc aaagagtttt ctgttgcgga 300
 gaaccatcta aatgggacta ttcccttgga agcttttcct ttgaattgta gccttcaaga 360
 actagacctt tcacaaaatg gatttgcgtg tga 393

<210> 26441
 <211> 340
 <212> DNA
 <213> Glycine max

<400> 26441

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ttaaaagtta ttgtggctag catttgetac gagcttctgt cctcaattac aggcgtcttg 120
acatattatg ggactcaatc gaacatctga gtaaaaatga attgtctttt gaatttccaa 180
ccagctttcg tcctcaatta caagcgactc gatatattat ggtaatagat cggatattcg 240
agtcccaact tattgccttt tgaatattct acgagcttcc ggtttgaagt acaaagcca 300
cgatatatta tgggactctc tcagacatcc aagttaaaat 340

<210> 26442

<211> 288

<212> DNA

<213> Glycine max

<400> 26442

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cacacatcca agactaatcc acacgatcct ttccatacca gcagctgtct cactatcctt 120
tcctatgacc tcgcttctga ccatagacaa caccacagac tccatcttcc tttgttttaa 180
cacacaactt attcgaagtg tgcggcgaag ctacaccctt ttcattacaa ccctatcaac 240
ttcactcccc caaatttggg gtaaatatgc cttgaaccat atgctctc 288

<210> 26443

<211> 393

<212> DNA

<213> Glycine max

<400> 26443

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caacaagaat caagccaagg ctattgtgca agcaatcaat ggggcaaac acaccaaatg 120
attatgatga tggatggctc aaattctcac aaaggtaaac tcatcacttt caaattgagc 180
tttcaaaact atcatgacat gtagagaaga atcaaggatt tcaagtcaca aaatgtcaag 240
aactcttatt ttcaaaacaa ttaccatttt cttgaacata tcctataatt caaagaaaaa 300
catgcaaatt cgtacgtgca cacaaaattg acccaaaata ttaaactgaa aatccgacga 360
aactaacaac attaacaaat taacacaact aac 393

<210> 26444
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26444

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 gctcatgcta aggcgggtttg ttccggtggg ggccacgtac tcaatatttg gtttggtatg 120
 gggctcgagg attcggccat tcagcgatat gcacctgctt cacacaccat tgttgaggct 180
 catcctgagg tttatgaacg catgcttcgc tccggttggg gccacaatga aaatgtcaag 240
 attgattttg gacgatggca agatgttctg cctgagcttg aaacatatga tggtaattgc 300
 tattcgtcta atctttatct tcataaacgt caatgcttga ttgcatcatt acacatacta 360
 ttacaatcga ttggatattc ttctctgaaa aa 392

<210> 26445
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 26445

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 tgggttctgcc ccagagaaag agaatttcct tgagtaaaat atccgagaca tctgtgtgga 120
 tcaactggtga aagtgggtct atctatgaga ggttttggaa tggaatggaa tgggtgattg 180
 tccctcatga cttgcccgtg tcagcaggaa gtgccatata aatttttgtc atcaatcaga 240
 cgattcttgc tctatcagaa gcaggaaaat tgtatcaggt tagaagcadc tgttaagtta 300
 gaagatacat gccagcadc atactatgtt aaatgttctc atcaactgta gaacttgatt 360
 tttatcctta tatttttctg ggcatatcaa ctct 394

<210> 26446
 <211> 385
 <212> DNA
 <213> Glycine max

<400> 26446

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caatctacat attgattaaa agtgaatggc aaaaaatcag accccaatt atgcgagcac 360
cctgtaatgc cctccattta aaacagtaat tagaaact 398

<210> 26449
<211> 393
<212> DNA
<213> Glycine max

<400> 26449

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tgggtatcga ctatgacgag acttttcagtc cagtggtaaa accagctact atttgtgtgg 120
tactaagcat tgtcgtgtca aagaattgga ccattcatca acttaatgta aagaatgctt 180
ttctctatag gcacctttct gaaaccgtct acatgcatca gctccttgga tttcgtgatc 240
gaaatcatcc ggatcatgtc tgtcttctaa agaaatccct atatggcctt aaacaagccc 300
caagagcatg gtaccaacgg tttgcatctt ttctctccac catcggattt gttaatagca 360
agaccgacca ctctctgttt atctatactc atg 393

<210> 26450
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26450

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aaaaacgaga gtgtgtaatg atttttgttt ttcgtcttgt atgaacatcc ttcagtaaaa 120
tgaacatttc tctctatatg attaaacttg gattttgagt cataccgcat ccaaacttag 180
acatacatga ctttctatac tggtaaagct tataatcttt ttttatacga taagtataag 240
ttatgcaata gttttataaa ttctctatag aagaaaaaaa tgtaaacttg agttttaata 300
taaatcttta atcagataaa tatatttatg tataaatctg gtttgagttg gattagattg 360
aatttcaaaa tgaaatctaa aatctgattc tate 394

<210> 26451
<211> 395
<212> DNA
<213> Glycine max

<400> 26451

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agctttatgg ctggaaaact atataacaac accatgggtc tagtttaggc tctctactct 60
ttctccttta ttttcgtttt tggcaattcc agttctgatg tttagtttta tcaataaaat 120
ttcgtttcttc aatctataat ttcgtttctct attgattaat ggaaggctaa gtctccagag 180
ttgttttctc ttgaggatca gacacagttc tctttgaggt tctattatta ctgttaaatt 240
cttttcagtt tttcctcttc actaattact ctgaatttgt tgctattaat tcatgcatgc 300
ttagtgcttg attaattgtc tctgcgctta atttacattc atgcttaatg atcgtttatg 360
agtaattggg gtatgtgttg cttaatcaca taatg 395
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<210> 26452

<211> 396

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26452

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ggcgtcatag aataaaagaa aggggtgatgc ggctgagaga agcagctttt cgcattggaag 120
atgccatcga tgaatataac atctcctgtg aggataagca acctgatgat cctcgatgtg 180
cagctttact atgtgaggct gttgacttca tcaaaactca aatccttcgc cttcaaagtg 240
cgtacaagat tcaggatggt aaatcccttg ttcgtgctga aagagatggg ttccaaagcc 300
attttccttt agagcaaaga caaaccagtt ctagaggaaa tcaagatata acatggcaga 360
nactttgaag ggatcctttc tttattgagg aagatg 396
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<210> 26453

<211> 399

<212> DNA

<213> Glycine max

<400> 26453

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cgatcattta cggttgtaac tcgtttaatc actgttaaaa caaatctaa ccgatcattc 120
acgctgtaat ctcggttaaa caaaaaaaaa gcaaaataat aataaaataa ccaaatatct 180
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<211> 388
 <212> DNA
 <213> Glycine max

<400> 26456

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 gctgttttagg ttagggtttc tagcttttagg gtttgctatt ttaggatttg ggttgagttg 180
 taagcccatt aggggcaatg ctgctaaaaa gggtgaggac ccctctgttt ctgctggaaa 240
 tcgctatgaa cgcgctaagc gcgcctgctg cgcttagcct gttcatcgca tatgaaaatt 300
 ttttgggaatt ccagatgacg gcgctaagcc tgaccatgtc gcactaagca cgttcatcct 360
 tctaattgagt ttcagcaatg agtatgct 388

<210> 26457
 <211> 392
 <212> DNA
 <213> Glycine max

<400> 26457

ttgctttgtc cgcaaaaatc actgaaaaac cgttttaagg tccaacacct taaacagtcc 60
 tctttgcttt tatcgggtta catggaccgt tcaaaagcat aaaaaatcaa cacatcactt 120
 tactgccttt tgaaagaact acgtaggctc gatttcctct tcgatggagg atacgtggga 180
 gcaaaagccc cgcttttgtc gacctcaaaa ataaaaagag acaaaaaatt tagatacatg 240
 atttcacaca actctaattc aaggctgttg tcctttggga caaacgtgaa aggtgctaatt 300
 accttcctca agcgtaaaca taactcccgga atctggaata ttctttatga cagatttcct 360
 ttgcgttttc taacagtttc cttttaataa ac 392

<210> 26458
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 26458

ttgcttttaa ccacagcaac acaaaatctg ggtgtccaaa acccctcaat tcaatggctt 60
 ttctagggtt gaaagggtga atttacaatg aagcaaattt ggagcaaact ctgacctcac 120

acaagtctat aacatcaatc taaacttgct caaactggat ttacacctaa atttacaccg 180
aatcataatt tgactcctca acaccaatt ttgccctaga aatggctctt gggtcacttt 240
ggtcatttgt ttttctctct agctcagcct aacctttctc acatgtccta aatgacattt 300
caagctagta ttaactcact ctaacctcca tttaccacag aagttagact tagccttcca 360
actctcaaag tctcactctt tttccactca t 391

<210> 26459
<211> 390
<212> DNA
<213> Glycine max

<400> 26459

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aaaacatgtt agatgtattg tcttttattt tttcacataa cacgtgacaa ccagatactt 120
cttggttagca cgtttgatac gtcattgtaag ttatcgtttt cttcattgat cataaccaag 180
ttgtcgcgag agcatcctac ctatagtatc acggttaaggg tatgtactcc catgatgtca 240
cccacataaa taaatgaaat atgtaagtca tcaatgatga catgtcaatg aagcgatcat 300
gtcgcgatgta gtgaaccaa catgtaatca aaagatacga ccacgagtgt gtatgcatgt 360
tttcaactcg aggaatacta cttgtttgtg 390

<210> 26460
<211> 384
<212> DNA
<213> Glycine max

<400> 26460

agcttgtctc atagaggtcc aggaaggaca aggcagccga aggaactagt tccgctccgg 60
agtatgacag tcaccgcttt acgagcgctg tacaccagca gcgcttcgag gccatcaatg 120
gatggtcggt tctccgggag cgacgcgtcc agctcaagga cgaccagtat actgatttcc 180
aggaggaaat acggcgccgg cgggtgggcat cactgggttac tcccatggcc aagtttgatc 240
cagaaatagt ctttgagttt tatgccaatg cttggccaac ggaggagggc gtgcgtgaca 300
tgagatcctg tgtaaggggt cattggatcc cgtttgatgc cgacgctatc ggccaactcc 360
taggatatcc gttggtgttg gaag 384

<210> 26461
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 26461

agctttgttg gtgtcgagaa gaaatcacat gtttgtcatc atcaaaaagg gggagaatgt 60
 gaatgtatgt atacatgatt ttgatgatgt caaaagaaga atcaacaag gctcattttg 120
 cttcaagatt aatacaagat tttttcaaca aacaaagcct tgattcaata tttcttcaag 180
 atcaagcctt gcctcaaaat gtatagattt caagtcatcc aaggcacatg taatcgatta 240
 ccaatacatg taatcgatta ccaaggcaca tgaaagtgtg taatcgatta cacatcatat 300
 gtaatcgatt accagagact ctgaacgttg ggaattcaaa ctataactgt gtaatcgatt 360
 acacaaacat tgtaatcgat tacc 384

<210> 26462
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26462

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 aacatttaat atattagtgt gggatggatg ggtgccaaatt catctaaatt gatcctaatac 120
 caaagatact tgcatgtgct atatgaacga ggtttcatct tatgaattgc atgcgaagct 180
 tttgccacgt acagtgtgaa ataacattct gtattctgtc ctacgtata taacaaggct 240
 acatattgtg aacaccctcg aagcatttga gactaactct tatagagaaa aaaaaatggc 300
 tgatacacgt ggatgagatg cagtgaagacc attggtgata tgtgataaca agtgtggctg 360
 cacacttaca tgcactggtg gattcact 388

<210> 26463
 <211> 327
 <212> DNA
 <213> Glycine max

<400> 26463

agctttcttt gttcaatttc gagcgtctgg atatattatc cgcataaata gaatttccgc 60

gtgacaaggt ttgaccattt gaatctctag agagctatcg ctgtctcaat ttcaagcgtg 120
tcaatatagt atgcgcctag tttggacttt tgggtgacaa gttatgacca ttagaatctt 180
ccgagagcat tcgatgctca attgcgagcg tttacgcgta ttatgcgcac tgaatcgact 240
ttcccgtgac aagtattgac cattcctatt ggtagagagc atctggattt ctagatagaa 300
cgtctggatg tgtgatgcgc cagaatc 327

<210> 26464
<211> 384
<212> DNA
<213> Glycine max

<400> 26464

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acaggccttc ttcggaagtt cagaatgggtg aacaattcaa ctgccactgg ccattacaat 120
caagtgatta tgatatgaag cctgtgttta aggatctagt tcaactcatgg cctgttgacg 180
gggatgatct ggagaaacaa caatctgtta tgtcagatat atcagtggag tgtgggatta 240
cagttgcctc agattctaaa gttgtagagc ctgacatttt tatttttgat gaattctggg 300
aggggtttga tgcattcaat tccacttcaa atgtcacgtt ttgtgggcta gatgatggac 360
acaagaatca atcagagaac tcat 384

<210> 26465
<211> 391
<212> DNA
<213> Glycine max

<400> 26465

tgcttgctaa cccatggaag ctccctaatat ctcccacact ttttgggggtg ggccattctt 60
ggatggcctt gattttctca aggtccactt ggaccccat tctaccaact aaaaaaccta 120
agaaaactat attatctaca caaaaggtag acttctctat atttgcatag aggggtgtttt 180
tcctaaggac tgaaagaact tgtctgagat gtcctaagtg atcatctagg ctctactat 240
aactaaaat atcatcaaaa taaacaacta caaatctacc tatgaaatcc cttaagacat 300
gatgcataag cctcataaag gtgcttggtg cattagttag cccaaaaggc atcactagcc 360
attcatacaa accaaacttg gtcttgaaag c 391

<210> 26466
 <211> 391
 <212> DNA
 <213> Glycine max

<400> 26466

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 cggagtttct caatgcaagt taccagtaat gatgtgtcaa gtgacaacac tggattccaa 120
 gaggaagatt tccctgtcat ggaccgtggc aatgatacag gaacctatga ggatgattgg 180
 caactcttat aaatgcgatt gctggactat gacatggatt caaagtacag ggtcaaaaat 240
 ttgtctcatg attctcatgg gcctaattgc cactgcaagt ttggctgac cctgtcatgg 300
 ggctccccac tcttcaaaca ttgtttatta ttcaagtaga taagacatta aactcattat 360
 gattcttttg cttacatcat ttgtcatat g 391

<210> 26467
 <211> 286
 <212> DNA
 <213> Glycine max

<400> 26467

tctttcttgt gatatttcta ctatatatgt gtgtgtcttc gtttatctct acctgtttaa 60
 aaatgtgata attcactcct catgggacgt atatgtttgg atcatgtgat gatcttaaac 120
 cttgagcatg cgaaagcaaa tggctcgggtg aaacacttta aaaaaccttg agatggagga 180
 cttcgagaca ccatattttg ataggatgtg acatttgaac aagagttctt atcttagttg 240
 catgacgcat caaacatgtc atgttacttg atttgataaa cttgaa 286

<210> 26468
 <211> 378
 <212> DNA
 <213> Glycine max

<400> 26468

tctttcttgt gaagagctga tttttagctt ctctgtaagc ctatctgccg acttggcgag 60
 ccatccgctg agcgcaccac tcttgcagct gagcgcacca ctcttgcggc tgagcctgag 120
 gaagaatctg gaagaaggat gagctggaca cacgtgctaa gcgagggctc gtcccgctaa 180

<211> 397
 <212> DNA
 <213> Glycine max

<400> 26471

agcttctacc tttcctataa gtatatatgt gatctttttc taaggatttt tgtcccttta 60
 aatgggatgg ggatattatt tttaaaatat ttttgtgcat ttaaacattt atatattggt 120
 cgaaaaataa ttttgaacat ttctataata acttgataa gttggtaaaa ttactgtaa 180
 tattttttat taatactgta atattttatt tctagaagta gaaccataac tttctatggt 240
 aagttgagaa agccgccgaa tctaactacta tatgaatgaa aaaaaaacat ttcatttctt 300
 ttttctttaa tattctattt acgttttaaa agaattaata gaaatttttt ataaaaaaaa 360
 tcaatattta tcatattatt aattaattct tattaac 397

<210> 26472
 <211> 399
 <212> DNA
 <213> Glycine max

<400> 26472

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 gtttgccaaa aatagagaaa gaaaaacaag aaattttaat caagatgtat taagaatcaa 120
 gaagggaaag ttttgatctc aaatcaagat attcaagaga gataggagag ttatttttat 180
 aagcttttca atgatggaca aggataggct cgtaatatga aaggactata aatccaagag 240
 aatgaacaaa atttggctta ctgccatgga atttgaattg gagaggtaaa acaaactctc 300
 aagacaatag acaatggtaa aattgtgggt ccagaataaa tggatatttct attgaaattt 360
 ggaagtgtat aggaaaagaa gggatcattt agctcacct 399

<210> 26473
 <211> 388
 <212> DNA
 <213> Glycine max

<400> 26473

tgcttcttct tcaatgaaac cgttttaaaa ggactcttta acatcctttt gaaaaagctt 60
 aatgtttttg tgagcaacaa aggctaaaat gattcttata acttcaagtc tagcaacatg 120

aacaaagggtt tcagagaaat ctataacttt ttgttgatta taccctcaag ctactaacct 180
agctttgttg catactactt ttccttggtc atccaacttg tttctgaaga ttcactctgt 240
tccaatggtg ctcttagttt ctggcattgg aacaaatgtc cagacatcat ttttgtaaa 300
ctgattcagt ttttcttcca ttgagattat ttagtcatta tctatcaaag ctttgtctat 360
aagtttaggt ttgatttcaa acacatgg 388

<210> 26474
<211> 395
<212> DNA
<213> Glycine max

<400> 26474

ttctgtatga tttacatctc cctctttctc aagcaaattc ttcttgatat catcaaaatc 60
ttcatgattt acattctccc ctttttttga tgatgacaac cacctgtagg ttatgagcaa 120
caacaaagaa aatatctatt tgcataatgt ttactcccc ttggttttac aatgattgct 180
tatatgagac aattgaagat ttcatatatt tcatatataa aaagtagtct cataaaacaa 240
tagataattt ttcttactat tttatctttt atctttctct cccctttgt caacatcaaa 300
aacaaatcat gaatagagag gagaaagatg ttaccacttg ttgcaatgta tgagaatcaa 360
gtgataccaa taggcattaa aacaatcatt caata 395

<210> 26475
<211> 394
<212> DNA
<213> Glycine max

<400> 26475

ttcttctatc caaatggact taccttgaat taattccttt gatagccctt ttgagccttg 60
tttccctttc cttgttttga agctcactac aagccttaag tgaaaaacca tgatattacc 120
atatacctaa ggaatttttg agcttttgaa ttgttttggg aataagtgtg ggggggtttt 180
gtttcattgg acaacttgtt ttgttggtta tgcttcatga tgtatttttg gccatacttg 240
atgtacattg tatattggtt taatgttggg catgctgaat gaaatgttgt ttctcaaagg 300
ctaaaaaaaa aaaaaaatcg aaaaaaaaaa aattcggaaa gaaagataaa aaaaaaaaaa 360
agcaataaag ctgagtgaat aagatcttaa atgg 394

<210> 26476
 <211> 390
 <212> DNA
 <213> Glycine max

 <400> 26476

 atcttgtgta agagggcatg accaaggtgt cagcctctag tttcttcaca acactaacat 60
 attacattct tggcatgttc tacaccaacc actctctcca tatggatttg caaaatccta 120
 attaatttca aaggatgaaa aatagaaagg gaaaagaaaa atatataaac ccgaaaatga 180
 aaaagggaaa gatataataa gtagcattac attacattag tagtgctcaa gtctctgcaa 240
 gcaacttcag ttctttccat gattgaatta gccaagtgc tattgtactt ttccatagca 300
 tcaacaatga tgtaagctcc atgtggagct tgtaagcctt ggatcttctt catcaatgaa 360
 ttcctttact tcttgaaga tgaaagacaa 390

<210> 26477
 <211> 393
 <212> DNA
 <213> Glycine max

 <400> 26477

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 cgggaaagca aggcacccaa atctaatagc attgaaagga tactattgga ctctcaact 120
 acaactttta gtaactgagt ttgcaccaa tggtagcttg caagccaagc tacatgaaag 180
 gcttcttca agtctctctc tttcttgggc tataaggttc aaaatcttgc ttggaacagc 240
 aaaggggctt gctcatttgc accactcttt ccgtccaccg atcatccact acaacatata 300
 gccaagtaac attttgcttg acgaaaatta caacgccaag atctcagatt ttgggttggc 360
 tcggcttctg acaaagctgg accggcatgt gat 393

<210> 26478
 <211> 391
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26478

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tttgctaaag acaactttgt tttctttgag tttcatcctc atttgtgtct tgtgaaatct 120
caggagacca ataaaattct cctacaagga atggttggtg atgatggcct atgttctttt 180
cacaacctca agcttcaagg caatctttct ctgctgatgt ccacttctgc atttgttcca 240
aatgatgagt ttcctacttc agctgctact gtcaataata cttctaatat tgtttcaaat 300
tctaattgta cctctttcag tagtgctaata ctttgacatg ctangttagg acatcctaata 360
gagcatgtaa tgaanattgt tctcaaaca t 391

<210> 26479
<211> 386
<212> DNA
<213> Glycine max

<400> 26479

tagcttggac aacaaaattt gacaactaat agaattatat aaataagaaa taaaaatgta 60
ggataaaatc aaatttatat tctttactta tattcttctt cctatttatt tatgctaaat 120
tgcattgaaa gtgaaatata tacaatatta taattataat aagaattcag aaaatataat 180
ttggtggagt aaaactgtag agtatttaata tttaaataat aaatttatta atgcacaaaa 240
aagaaaaaca tgttggcttt taacaattgt gcaactcttt ttatgttagg tttataattg 300
taatttttag agcacatct taattatgat ttataaatat ttctggaata ttaatatcca 360
gggtatcaaa aaagaaagat atgttc 386

<210> 26480
<211> 390
<212> DNA
<213> Glycine max

<400> 26480

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ctaattgatga atggtgggaa gccaaaattc aagtgtgtat tatttaacta aaagagtttc 120
tgtgcaagcc agcctttcgt tctttatttg agattttgct attatttctt tttctttttt 180
cttgcaatct tatgctagct tctctagact ttgcttttaa tcatagtatc tcattattga 240
ttctcttttt cgctgatgat aattgcgagc ggctatcaat cattttacta aattcttgct 300
cagttgatgc agatctgttc tatctcatta tgtcccttct tgtccttcat ttttcgcacg 360

attataattt ataaattaat tgcaccattg 390

<210> 26481
<211> 381
<212> DNA
<213> Glycine max

<400> 26481

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gatgtttcta ttgaagccat tgcagccctc actcagtatt acgatcagcc actaagatgc 120
tttatgtttg gggactttca gttagtacca accgtggagg agtttgaaga gatcttggga 180
tgcctgctag gaggaagaaa accatatctt ttttctgggt tctatccttc catggcgaga 240
atagccaagg tagtcaaaat ctcggtgcaa gaattggacc gagtaaagca aaatataaat 300
ggcgtggctg gaataccgag gaatcacttg gaggagaatg cgatagcttg gcggatcgag 360
gtgaatgggc ttcgttcatt g 381

<210> 26482
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26482

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actaggattt tcttcacatt atgggtctact catcaagaag tgtatgtagg aggtggagaa 120
ttggtgcaag gggtgagctg gtggggtgaa catgatgatg aattggagtc ttcccaacag 180
gaagaggagt aggagttaaa gagtgggata gtgatggttg tggatgatatg gagggtgagc 240
ttctttgtgg gtangagggt gaattggcga ctttactaaa ggaataggag catgagtggg 300
agaatgctag tgggtggcggg gatggtccga gctaattntc aacaaccaac tangaccgat 360
tgtatgcttg ggtctcattc tggtcattcc aagctgattn ttagaactat gggcgatagc 420
gttgtat 427

<210> 26483
<211> 110
<212> DNA

<213> Glycine max

<400> 26483

acttgagagt acgatcgtgt catctataca tatgagatga agcaggggca tagccgatca 60

ctgtgggaaa tcgttgtacg atacacgatg aaccacacca ttgcatccac 110

<210> 26484

<211> 386

<212> DNA

<213> Glycine max

<400> 26484

agctttgagc caaaattctg actcaccata ttctcttgag ccaaggtgag aatgtgaatc 60

cttaccctcg gaagcaaaaa aagaatacag gggaaatttc caatcaaaga ataagtaatg 120

gaaaatttcc aatgaaagcg gaaaaacaaa agaaggaaaa ttccctaatac aaagagtggg 180

agaaagcatt ttaagaaagg aatgaggatt cccaatcaa agagtggtag atagcactat 240

gaacagaaag gaaaattccc aatcaaagaa tgggagatag caaagcatga ccaacaataa 300

ggaaagaacg ctctgatca aggatcgaat gaaaaacaga agaaatgtgc acagaggtct 360

ctggaccgga caatatctga acaata 386

<210> 26485

<211> 443

<212> DNA

<213> Glycine max

<400> 26485

aactcaagct atggctgcgc agcagctctg atttcgtgag tatttataga agatgtttca 60

ttgttatcga ttacaggatg tggtgagcga ttacacgccc agtaagcctt ctggtaatcg 120

accacaggac gttgtaatcg attacaggct ggccgatcat gtgtaatcga gtacactgta 180

tggtaatcga ttaccagagc ctatcctagg ctagtcccta agagaatatc tatatttata 240

ctcgaatata tcctatatga ctaattttta ctactaatat actaaattca atcattcaat 300

tactatatac acaagacatc atatattcta tcataaaagc aagaattcga acacgatcaa 360

acgatacaat ctacaatcaa aagataaaaa gtatatcaac caatcaatca accaatcaat 420

caaccaatca attcctattg ttc 443

<210> 26486
 <211> 373
 <212> DNA
 <213> Glycine max

<400> 26486

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 attggagaga gcatgttttc agataaagtg gcagtcaatg tttaaatatt ttgtgacatg 120
 taagattact agttatttga atgagaaaact tatgatgcaa tatgtacgaa gaaagatctg 180
 gttcctcaaa tagtaactct aaaatagttt ttgttcaaaa aatattttta aatagttatt 240
 atttattttc ataattcatt tttttaaaat ttgtttttta agagtaataa atcttattta 300
 tttaaattcta agataatgaa ctataagaat taaaagcaac tctttttaga ataaaattaa 360
 gatggacaat aaa 373

<210> 26487
 <211> 428
 <212> DNA
 <213> Glycine max

<400> 26487

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 agaggagaat aacagagctg ctcagaactg cgagatcaaa aaaacgctta cgattctgga 120
 gagaagaaaa taaaataaga gatagaagaa ttatttttta ttttttactt ttatataaaa 180
 ttactgaatg tgaggaaaat tacagaatta ccttaagcag aggtgggagt cacagaggcg 240
 aagagagcga acaaagatga gagagagaga gctctgttaa tgttgggtct ggattgtcag 300
 aactaagaag ggggaatgga tgggtcaagt ttgagtcata ggactcagct cctgtgccag 360
 agattacccc tacatatcac ttctttgttg ttaaatttca tatcatattt atttatcttt 420
 tacattat 428

<210> 26488
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 26488

agcttataag caatctataa gggcatctct ctttattggc ttcaacacga agtgagcttg 60
 ataatctaaa gcaagaaaat gaaaaactcg tttcaagtta taaagccact aattgtgttg 120
 gtgtttctac atcttcta atggatgatt acaaaccctt gcaagatgag tttgaaaagt 180
 ttaaaaaata tcactatgaa gaacatatga agttgcaaac tgagctttcc tatcttgaag 240
 atctgttttag aaaatgaata aaggaaagag taatctta at cacttactta gtgtgcaaaa 300
 gcatacaatt gataagactg ctttggggta taacaagcaa actgacattt ctaagaaaac 360
 caactctgta cccctta 377

<210> 26489
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 26489
 ttctctctgt gttgtttctt ctgaagggtg cttcaatttc tttatccatt tgaaccaatt 60
 cacctacaga agatctacgc atgcaaacac taacaggaac aacagttaac caattcaaga 120
 agaaaataaa ttctgaacta aacaaatatt aacaaaaaca aaaattaata aatcaaagaa 180
 taatgaatta atgccttcaa actgaactaa actctccaaa tggaaaaagt tccccacaa 240
 cgacaccaaa atacttggtg ttgcactct aggatactac ttgtttggtg gatgcgaaat 300
 ataccgacaa gtgcactggg tcgtcaagta aataaataaa acggtgtgaa ccgagtatcg 360
 aactcagga acttgttcat ttggtaaagg ttcgctcaat aagaaggcat ttgcaaatag 420
 aaatcatga 429

<210> 26490
 <211> 103
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26490

atctctgggg ctganaaaaa ctatataata gcaccaatgt tctagtttag ggccccgccc 60
 cctctctccc tctcgggaga ctctctcttt ctcatcacc ttt 103

<210> 26491
 <211> 418

<212> DNA
<213> Glycine max

<400> 26491

tgagaagtat ttaagatctg ctagatttca tgactctagc gaattgtatt gtctctcaaa 60
ttgagcaaatt ccttggttga ctctttctgg gaatatctca gggattgggc caaagaagtc 120
ccatcattgc caaaaaccaa ttgggaaaat tgtaaattgt attggtcttg aaatatatca 180
gccatgaatg cttgaagcgg gtattttggg gccaaaacac cttaatccaa gcatcaacat 240
aatcccaata ggtataacct accggatcta atggaactga aaatctcttt cctttgttca 300
agtccgaacc aaagtgtctt gogtgaagaa cttttaatat ttggattgcg gagtgcgtgt 360
ttaatgtcag gtctttctgg tccttgaaat gtttgataga tactgaattt gaatctat 418

<210> 26492
<211> 361
<212> DNA
<213> Glycine max

<400> 26492

agcttgacca ggaattatct gttgggttgg atgttgaatt ctggttggtc ctgctgcgga 60
gatgatggta cagaggggtga accatgagct gaagcttctt ttggtgaggt agccatggaa 120
aagcatagcg tttggaatga ttccgtaaatt ttctgagagc tgctggggaa tgcagaaaac 180
gagattaaca cgaaaatata agtttgaatg atgaatgtac agggacgtgt gaagcaacgg 240
tcgaatctgc tttggttcag tatgtgaacg tgctattaat gtttaagtga tcctttgggc 300
acgttcagat atcagtatct gctacaattg ctctagcaga caaattgccc atttgcccct 360
c 361

<210> 26493
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26493

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atctatggcn agtgaaagtc aggagtggct tagtgacaaa aagtacttgg gtcttaatat 120

cagggagaga ttaatggtaa tgccatgagt ggcctacaga gtactcgttg tatccacaag 180
 tggcataaag aatacttggg tgtcatcaaa gaattgatta acaaaacctt tcatgttttg 240
 aaggaaaact ggatgtatcc caagagttgg gataaatcaa tataaaacct ctatattttt 300
 tactgcttat gtataacata aggctacata aacacaagac tgcattctaa caccaaacc 360
 aacatgcacc tacaccaata aatcaaaatg aagaacacaa tgaatgggga gatagataac 420
 acaattatat g 431

<210> 26494
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 26494

agcttgctc aaagaggttc aggaatgaaa aggcggccga aggaactagt tccgccccgg 60
 agtacgacag tcaccgcttt aggagcgttg tacaccagca gcgcttctaa gccatcaagg 120
 gatggtcgtt tctccgggag cgacgcgtcc agctcatgga cgacgagtat actgattttc 180
 aggaggaaat agggcgccgg cgggtgggcac cactggttac tcctatggcc aagtttgatc 240
 cagaaatagt ccttgaattt tatgccaatg cttggccaac agaggagggc gtgcgtgaca 300
 tgagatcctg ggtaggggt cagtggatcc cgttcgatgc cgacgctatc agccagc 357

<210> 26495
 <211> 408
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26495

tgtaaattgt aatattcatt agatagaaat tagattttac attcatgagt gaatcccttt 60
 tgagggtgaag atctacaatc tgtgttgtaa aaaacataga tacctttttac cgttgtaagt 120
 ccaacagtgg ttgccaaagc tgaaatccaa tggtataact ggtctagttc tggttaggtt 180
 ggaagtccaa tggtataact ggtctagttc tggacgtagc ccaagggttg ggtaaaccac 240
 tccatacttt gattttgaat agatctatca aatgcttgct taaacactac atgtcatacc 300
 ctaatttcgt ccgnggatta ttatttggtg atatacaacc tttgattggc cgcttcgaga 360
 cacttggcgt cctttgttgc acaatgaatg aagtcgag agtgtgtca 408

<210> 26496
 <211> 530
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26496

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 cgcaggccat gacccgttga aacttggaac nctgaaanca gcgagcnaaa gaaagccagg 120
 cagagagcaa cacacgctct tgcgaaattt gaacaatcta ctgagccgca catcacggcg 180
 cgagcgcccc tctactaaac ggcaaaacac gccaccatac gcgaaacgaa gaccaaatac 240
 tcgcaaagcg cagaatgcac gcgcaatgga actcgtagga caaaataacc gcatgaacag 300
 gctaagccgg gacaacctgc gcccacgcg ggactcacag aggcaagcac agacccaaac 360
 ggagctaaag gcacagctac gggcaaggcg cgagtggaaa gcatgaacaa aaaagaagga 420
 cggaggagtc aagaatgcga caaggccaca ggcaccgccc agacaacccc gtgcgaaagc 480
 accactaacc gcacgaagag acaaaccaac ctgcgaacaa accctccgcn 530

<210> 26497
 <211> 367
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26497

agctttataa gagcgggtct gggagacaaa ggtcaagtgg tcgcaatatg cgaagatgat 60
 gttccgagta cattggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgctacgc aacgagcata atgtaaacct ttacggtttt aaaagctcta 180
 tagttgggccc taggcttttag agtttttccct tttgtgaagg ctttgtgtct tttgtttttg 240
 aatttataat acaaggatca ttcttcatct gttcctacgt ctctacccat tctcattcat 300
 ttgcatgttc acttcttttt ctgaaacggc agatccaatg acgagtcccn cgaaagtact 360
 aatacct 367

<210> 26498
 <211> 416

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26498

tagtcccata tccaattaca catactttac tcaacattgt ccataattcc atatggccca 60
tatgatttta ccttatgttt atttgctaga atcagtaacc ctaatcctta aaagcctaaa 120
accctagggg gagtattagt ttgcgacatt gttagtctag cctctcattt cttgtcaact 180
ttgccttcag gatccatctc ctccatgctt gatgtttatg cttgttggtta tcgtgggtgc 240
atgttcaaac cctaaggcaa gtgcgagttt gtgtcattgt tgggtcttgcc tcttgagtct 300
catttccttc ttcttcgtct cctccactct tttgattact ttcccagtca atctctagta 360
tgtatgtgtg catatatatt tcattntctt tgaaagatcc taatacccct atttga 416

<210> 26499
<211> 353
<212> DNA
<213> Glycine max

<400> 26499

agttttgtca cccagctcgc ccaggcgagc aaggatgctt cctccaaaag caacaacctt 60
ctggaggaat cttctggagg gcccaagtgg gcctggatgc tatttgcacc cccattttta 120
ctaaatacac cccttgccct ttcttggtga ttcttttgtc gtcaagggtac ggaaacttat 180
ggattccaca acgatacttt gattctttct gtaacgtcac agaaccttgc ggattacata 240
atcatcccct ttttttactt acggaatggt acagaacctc actaattgtg caacgatgct 300
tacttttgat ttccagtgtg tcacggaacc ttacggattg tgcataata cct 353

<210> 26500
<211> 260
<212> DNA
<213> Glycine max

<400> 26500

agcctgagga gcgtagcatg ctatggtctc acgaggatgt tcttgatgta ttatcaaaag 60
atactgtggg acctgccttt atttatttat tttggattag acattcatgt gtaagttgtc 120
aacatgcatt tgtttgattg actatcacia ctttgaaaat tagtttgctc gtgaagcact 180

ctctgcttcc actcctgttt ctagcaacaa atgatgagtc tcaccacgag agtttttagct 240
 acatcaagct atatacattc 260

<210> 26501
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 26501

agcttcatga aaacaaaatg gaacttatga gactaaacca acatgaagaa aatgacaaga 60
 aaaagaaagt aatttcactt aaaacctcat cttctattca agaagaaagt gaaaaagagg 120
 acttgaatga aatagaagaa gatgatgatt tcagtttctt cgtaaagaga ttcaataagt 180
 ttctaaggaa caaaggaaat caaagaagaa caaacttcaa ttcaaagaaa agaggagaag 240
 attcatcttc tgttccaaag tgttgtgaat gtaatcaact tggacatctg agagttgatt 300
 gccctagttt caagaataga atggaaaaat ctaacaggaa aaccttcaaa gata 354

<210> 26502
 <211> 417
 <212> DNA
 <213> Glycine max

<400> 26502

tagagcatac acatttcactt gctaagcatg aacaactcgc taagccacac ttcaactcta 60
 gaacttcagt agattaatcg gcttagcaag ccaccatagg ctaagcgagt accaattact 120
 cgctaagcgc atcatgcacg cttaatggat cttgtaggac aaaataacct ataaatcatg 180
 ctaagccggg tcaacttgcg ctcttcccaa aactctctta ggtttgact tacccaaatt 240
 gggcttagtg cacatttacg ggctaagcgc gagttaaaaa tattaaaata aaaataatga 300
 tgagggagtc aagaaggcga gaataccaaa ggtcaccacc aatgcacact aagtgggaaa 360
 agcacctact aagcgcaaca aatgggttact atccaaactt gctaagcaga cactctc 417

<210> 26503
 <211> 387
 <212> DNA
 <213> Glycine max

<400> 26503

agcttacaag gtatctctat atataacact tttgagacac aagtttttac aaaccaagtg 60
atgtgggact aagatcacac aagttttaca gaccaagcga tgtgggacaa aggaactaag 120
accacaaaact ctaacaattc tcccacttgg ggtctaagtt ccaaactcta gcagctcctt 180
gtaagcaatg agttcatcga ctctttacct agtgtagcgc cttcatcttc aattatcctt 240
gaaggccaac tgaggcaatg caaagactca gtttgtcagt tgtaacagct ttagtcaaca 300
tatctgctgg attctctgat cctaagatct tcaataaaga taagtctcca tcatttatca 360
actccctgat aaaatggtat cttaatt 387

<210> 26504
<211> 430
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26504

tgaagcagga gctgatttga gagcttgaga tgagtttgtg agtgattgtg agattcttga 60
ggtgaaggag acatcctcac cacttgtatt tttgcaatct tttatctcgt tcttctcttt 120
gttgtaaagg agacttcctg gtatggaaag ctgaattctc tgttggatct tccctatagg 180
tacttgatgt aaggttgaat tggaaaggca taatttccat aaacgcctca ccaatttagt 240
cgatgggagc atagacctag cnttggtgaa agaattctat gcaaatttat acggttctaa 300
ggatcatcca ccaaagcagt ccagagtcaa aggtcatttc gtgaagattg atgctgacag 360
tctcaacaca ttcttggaga cacctatggt attagctgag gnggagacct taccgcgtta 420
ctccagatac 430

<210> 26505
<211> 267
<212> DNA
<213> Glycine max
<400> 26505

accaacaaga tggaaaggac cctgccacca ctatgcacac aactcaagct gcaacaaaga 60
aatactcatc ccagacacat tgacacagaa ttctcagtga taaagacacg ctaacaccgg 120
gacaaacaaa accagacgaa aatgaagcaa actacacacc accgacaaca aaaacaaacc 180
acaccattgt aaaccactc tgcgaaaaca aagtcgttac accaagagta tgccaaaaag 240

aaagccaaaa acataaccca agcacac

267

<210> 26506
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26506

gctaggattc atagaccga attccatgag ctgcacatgt tccgaaacgt agtgactgag 60
cnacattcta attctgcctg cagacacaaa cgtagatctg ttctcacaat gagacaccaa 120
attgaagtaa aataaaaaaa ggtaaaaaaa aaagaaaaag ataaagataa atggacacac 180
acaattctat taataattgt agacacttgt gccatatata cccatgggtg gaagaaatcg 240
tgttttcgac gtgagaaaaa aaacggaagt gaaaataaag agtgcttcaa cgtgatcgat 300
ttggcaccac cgcaccgcaa ctccaaacac acctttacct gttccacaaa atgggaacgc 360
caataacaac gtgcccggag caagaacatg ccttctccgt agccctaacc ctaacggaaa 420
aattaatcac ccca 434

<210> 26507
<211> 373
<212> DNA
<213> Glycine max

<400> 26507

agcttttcga ttcattttat gtaccgtag tggccacat tgtgtttcgt gcatttttat 60
tctcgttttg tttacttttt ataccctc ttgacgtgct taagccattt tacttaagtc 120
atctctcgct taacttaaaa ataaaataaa tttccaccga acgtttgaat tgtattatcc 180
gttaacttcg gttaaaatga attccgaccg ttcggtcgtg ccgtaaccac gttggaaatc 240
aaaaaaagag gtaaaaaata atataataat caaaaaaaca tcttttagta aaataaagcg 300
gaaaatcaat cggacgttgt ctctttggga tttctcattc ttaatcgaat tgactaataa 360
ctaaagtga act 373

<210> 26508
<211> 435
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26508

tctagagana actacatgaa gctgcctcgg tagaatttct tcccagtctt cgtttaccgt 60
tggatcttct cgaaatttgg ttgcaactt cacaagacac tttaccatga ttttaaccgtt 120
gggatctttg ggaaaatatc tggagcgtgc tagaagcttc cgttcccgag agcatctctt 180
atttaagcat ttcagccttt gctttcttgt agcttacgaa aaatgtcatt tcttcttctt 240
tctttctttc aaatccattt ctaaagttcc aagtactttc tccatcacc acatccacca 300
ttagccacca caaacatca ttgttctcca ttgaaaaccc acaccgagag gaacccttca 360
accgaagcag aatttccaac ttggcttgcg gcttcggtag agaacgaata ccctaactctg 420
atctttcgtt ttctt 435

<210> 26509

<211> 381

<212> DNA

<213> Glycine max

<400> 26509

agtttatagt aatcgtttac atagctcttt ttgatacaat gattgattct tcaggagtct 60
ttgatttaat agattaccaa atgatataat caattacttc tctcttaaaa agtgtttcag 120
aagtgatcaa gaacacttta atcgattaca tcaagaaact aatcgattac attgctcttg 180
gaagttttct agcttttggg aagaacactt taatcatttg aaatgataat ataatcaatt 240
aattctttga aataattgat tacattgtat atttaattga ttacacgcgg ctataatggg 300
tttctttata aatagtcacc ttgcgttctc acttctaaca actttagaag tgtgcaaaaa 360
aaaacagtgc ataatttgta t 381

<210> 26510

<211> 432

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26510

tagctacaca caccctcta ataactaagc tcaccttctt gagaatcttc cttaanaaga 60

ttcctaaaga agctagagct tagctacaca cacctctcta atagctaagc tcacctcctt 120
aagatgagaa gctagaactg tgctacacac cccctataat ggctaagctc acccccatga 180
caaaatacat gaaaatacaa aaaaagtccc tactacaaag actactcaaa atgcctcgaa 240
atacaaggct aaaatcctat actactagaa tggccaaaat acaaggccta aacgaaggaa 300
aaaacctatt ctaatatatta caaagataag cgggctcata cttagcccat gggctcaaaa 360
tctaccctaa ggctcatgag aaccctaggg ctttcccttg gatctctggc ccaatctact 420
tggagtcttc ta 432

<210> 26511
<211> 386
<212> DNA
<213> Glycine max

<400> 26511

agcttgataa tacatTTTTTc aaaatcaaaa gttatTTTTat atcctttatc acacaattga 60
ctaatactta atagactatg ctttaaacct tctacaagta acacattttc aatgggagta 120
gaggaactcg tacctatTTTT gctgactcca atgattttgc ctttggtggt gtcaccatat 180
gtaacatgtc cacttttctt gggggaaatg gttgtgaatt tggatacatc tctgtgcata 240
tgtacggaag atgaagacgt acacacgatt tatactgggt cgGCCacaaa ccgtgcctac 300
attcagtccc caagcaacct gcgagtcttg agatgtctat caaccttgga aaatccttta 360
caagccatag atccacaagg gatgta 386

<210> 26512
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26512

tatgtgcgac tctgatgatg aatcagaagc cgtttatgct cggatatatgc ngTgcCGcan 60
agataatgtt gagactagca cttggctaga aggaatttac aaaatgaaag aaaaatgggc 120
tagttgctat atgatagatg cttatagtat aagaatgcc agtactcatc ttagtgaaag 180
tttcaatgct agtgtgaaag attatgtcag atcaagctcg catataatgc acatTTTcaa 240
acattatgag cgagctgtgg atggcaagca atacaatgaa ttagatgtctg aatacaatag 300

caggaaaaaa cttcatcggc taatgataga acactcacca ttattaaagc aggttacgca 360
actttacact ccaataatgt taaattccgt tcagaatgaa tatg 404

<210> 26513
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26513

agttttttatt atacatcggt tatctagcta ggctcctgca ctttacttca tattgaacaa 60
ttgtatataa tatatattat atattttcat ggctatagaa ctcaaatttt tatttacaaa 120
atacatttat ctggcgggaa gtactttgat gctgaatttt aatattttat gctataaaact 180
ttgtaagatg aaactctgag ctaagtcaaa agatccatct gacgacggta tgttacagtt 240
acagttacag agaaaaagaa gctaacaatt gctgcactag tgcaataatt ttgttggtt 300
gtggaaccat angtttccaa attagtaaaa gaaggtcttg gtttgaaaga gaatgcatga 360
gacagat 367

<210> 26514
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26514

aacttgtag aagcctgaga aagattctag gaaaactcat tctccaacat tgcacgtgca 60
caccatct aacacatatc cagaattgtc gactccacc actatcatct tccagcacta 120
gttttggttn tgagtattta tggtgcggta gatgggtcgg gtctcgtggc gttgagatta 180
aagtaagaga tgatgtagac aatgctatca ttctcaacca aactacattt ttgtctaata 240
ataacgataa aaaaataatg acaatatgat tccattgctt aataagtcaa cagagtcgca 300
attctattgc ttaccaaagt ggtgaaaa 328

<210> 26515
<211> 342
<212> DNA
<213> Glycine max

<400> 26515

agttttgtcc taccctttta ttgctactt acactctgtc atcctaatta tttattgagt 60
acatgtaa atagatact gaaattccaa tcaaactaaa ataaaacaac ttaattcgat 120
tttaaacacc tgccatctaa acgcggaata atgtgttgcc aagtcacatca gtaacacctg 180
ccatccta atacgctttat ttggtgaata attccttctt ataaccatgc tctattattt 240
tccacgagtg tacagtgtcc caacttcagc ttgttaggaa tctgaaatct accacaaagg 300
agcatccatt atacaaatta aattattctt tttttacaat tc 342

<210> 26516

<211> 362

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26516

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caatcaagct ttatgtcata aataacaaaa tatacacctt agagtcttac tagagattga 120
ccctagaaga gaatagacac tgcactaaac taccattatc cacgccattg gcagcaagga 180
cagaaggacc aaactgaacc aaattcaaca gtgagatgcc tcataatata atgaaacaca 240
tatgacaaag tttaaaatac attcaattaa acacattttg agtgtatagg aaacttagtg 300
catgattgtg ggtagtgtct gttcanatcg aacatgatga tgggtggaga cttgcaagct 360
tt 362

<210> 26517

<211> 371

<212> DNA

<213> Glycine max

<400> 26517

agtttcacat tttttctct cagaagtcaa ccaccactcg attcttctac gcaccgcatg 60
atatgcgtaa gtcttgtgtt tggaaatcat tttgttcagg tccattgaaa attcatttac 120
tcaaataatt tcaattattc aataacttgg cttgttcggt taacttatta ttgtcatttc 180
acttacaaca ggtttatctc aaagatcatt gtcccttacc gcctatggca ttgttgtggt 240

caagcaattc atataccttag gcaaaacagt gtccaactac atacgtaggt agaatgcagt 300
 agtacttaag cctaatagaca attaaaacaa cgcattgtaga cctaaacaaa cactgaagct 360
 gtaacattta t 371

<210> 26518
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26518

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 gtctttaaca tgttgatttg aataccatgg gtgagtttg ggaactcgtg ttcactgcaa 120
 ggatctttgt ttgtttgtct tgcaaggatt tggtttggtg aacttggtgt cgctgcaagg 180
 atttggtttg tggaaagtcgt ggtcactgct aggtctgttt ggggtgctca cattgcagtc 240
 tgtttggggg gctcagtcgt gctcgcaggg tctcattttg agtaagggtga ttcagattgc 300
 tagttgtcct ttgaatgctt aatggatagg tagctagggtg tctattgtaa tacgtatagc 360
 accatggcaa atgtaacaat gttctggttt ttcttctatt gatgtgtgtt ttgagctt 418

<210> 26519
 <211> 314
 <212> DNA
 <213> Glycine max
 <400> 26519

agcttgaatc ggacatccgt gtgaaaagtt atgaccattt gaatttctca agagcttccg 60
 ttgttcaatt tcgaacctct cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120
 tcatgatcat ttgaatttct cgagagcttt cgatgtttta tttcgagcgt atcgatatat 180
 tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaatgt gacgagagct 240
 ttcgttgatc aatttcgagt atcactcgat gtgacgcgcc ttaatcggac attcgagtgt 300
 aatgttatga ccat 314

<210> 26520
 <211> 408
 <212> DNA
 <213> Glycine max

<400> 26520

tttcgattca ttctatgcac ccgttggtggt ccacattgtg tatcgtgcat ttgtattctc 60

attttggtta ctttgtatac cccctgttga cgtgcttaag ccattttact taagtcattt 120

ctcgcttaac ttaaaaataa aataaatttc caccgaacgt ttgaattata ttatccgtta 180

acttcggtta aaatcaattc cgaccgttcg gccgtgccgt aaccacgttg gaaatcaaaa 240

agaggtagaa aataatataa taatcaaaaa atatcttttt agtaaaataa agcggaaaat 300

caatcggacg ttctctcttt gggatttctc attcttaatc gaattgatta ataactaaag 360

tgaaactaag gctaaaatca actcgcctag tcaagctcgt ccacaaaa 408

<210> 26521

<211> 272

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26521

cgcaagttta tcctctngaa ttcgctacct caggttcgta atttctact tatgccattt 60

tgtctatctt ataaatactg tttaacttgc gctagcctga gaagatggac tattcccatc 120

tagtatggct tagacaaatt ttaattcgac gcgtaaataa gactcacgac gattacttct 180

atgatctata attagagagt tcctctatcg ctgatgctat gaggatatat ctatataaac 240

aaagtgggtca aatttcactt ggataacttt ga 272

<210> 26522

<211> 382

<212> DNA

<213> Glycine max

<400> 26522

ttgacataca ttcaggatat atgagagaca gcactgtgca aaattgtcac caaaataata 60

gcggagcagt agaagcaggt gcaccttcag tcgagaaaga tcttgcttct tcagtaaaag 120

cagctactga agttcctcca tcctcttttc agttctatgt ctggtcagat gtgggaatta 180

atcttcatgt tgatttaaat ctgtcctcat cagattggat taacaggttt agaaatgagg 240

tttgcataag tgagaatatg catcgaaaca aatcccgaag cctttggcag gatctgagca 300

gcttaggaga gaattatatg caaggtaa attgcttttt atggagtaaa aaatcttggt 360
caattgagga tcatgatgga ca 382

<210> 26523
<211> 292
<212> DNA
<213> Glycine max

<400> 26523

agatgcgtaa acctcgagac cggaaatcat atagatcagg tccattgaac acatcatgac 60
tcaagaatat gcaacactcc acttactagg cttgtacgtg aacttagaaa cggcagatta 120
ctcacaccag ggatatctca catatcattg tcccataaca cctatggcat tgtggcggtc 180
acagcacttc atatacgaat gtgatacgag gtccatctac attcggagga agaaagcata 240
aactcctaag cctaatacgc gtttaaacta cgcattgtaga cccagacata ca 292

<210> 26524
<211> 187
<212> DNA
<213> Glycine max

<400> 26524

aataccatgc gtgagatagg ggaactcgcg ttcactgccg ggatcggtga tagctcgtct 60
cgcaccgata tgatacgtgg aacttgtgtc cgctgcgaag agttgggttg aggaactcgt 120
ggacactgct aagtctgtac gcggcgctca cattgcagac tgattggggc gctcacacgt 180
gctcgca 187

<210> 26525
<211> 385
<212> DNA
<213> Glycine max

<400> 26525

agtttattat tatgtttggt ctaacttatg cttgcattct ttttttttaa gtacttattg 60
aaatgttatg tttggaacga ttaaaaaagg gaagattttg gataaataat caattttatt 120
cgaaaatgtg taaaacacaa acaaatgtag acgaaagaaa attaacggat gaataaattt 180
gtctcacttt ttttactttc aagacctaaa atttgaattt tcatctttcg agaataaatt 240

tgtcaaaact ctatatattc agatacgaaa ataattatTTT aacaaaaaaa atgatagatg 300
aacatccaat ataataatgc atacagattg caatcaagaa ttgtcatcaa aactagaaac 360
agaacgcttg aacctaaact agaAT 385

<210> 26526
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26526

aaactcagct taacatacct ttaatatcat cctcagtatc ttcctttcta ngTaccataa 60
catgagcatt ctctaattta tcttcacTct ccaatggTct ctcaagagat tgcaaatgct 120
tacgtagcaa tttagcatga atttccttta aacaagcctg catttgagc aatttagtaa 180
tacagtcaaa gaaaccattg tTcataggca tataagaata ctggaaaata atatgatgga 240
gaataccttg gccttataaa tgtggagatg ttttaaaatg gcctcccagt actcaaccac 300
ctttgctgta ccagtaCGca tttctgattc aatgtgaacc cgtaaagcct ccaactctgc 360
atgtgtcttc ccctgcaaaa gcttcttcac atctggctca aactgggaat gcagaccct 420
ttcttctgca agcagctca 439

<210> 26527
<211> 385
<212> DNA
<213> Glycine max
<400> 26527

agcttcaaga ataatgtgcc tcagcaaact tcttattccc agaaggaaat tcaatagata 60
tgctcttat ttttaatgga gagggTtacc actactggaa aacctgaatg caaatTTTca 120
ttgaggcaat agacttaaac atttggaag ccatagaagt tagaccttat gtaccacct 180
tggtggctgg aaatacaaca atagagaaac ctagaaaaga gtggtctgaa gaagaaagaa 240
gattagtgca gtacaattta aaggctaaaa atatcattac ttctgcccta ggaatggatg 300
aatatttttag ggtgtcaaat tgtaagagtg ctaaggatat aagggaact ctacaagtta 360
cacataatgg aacaactgat gtcaa 385

<210> 26528
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 26528

taagatatag aaacaatgat aaacatttat atctattatt gataattatt tatcatttaa 60
 aatcacatac aacacatcat ttatatctat gcacaatata aacatttttaa aatttcacaaa 120
 taagatttca caaaaaaaaa atatcagaat aggacaatga aacaaaatct gatttggttt 180
 taggacaacg aaaagtaaca attccataag ctgaaaattt aagctttaag aaaaggtcta 240
 ctgagagctt ttacttttgt aaaagctaaa aaaaattaat aagcaaacac tcttaagaaa 300
 taaagaaaac ctttttttag aagataagat gccggaaggt cttttgggtt gcatccaaac 360
 ggattgtagg gtgcatttgt gaaaagctct acttggtatg cagtgaataa aaagatacat 420
 caatacaca 429

<210> 26529
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 26529

agtttatcac accggttttt gcaaaacaat ctttggttta aagctaagca caacggtttt 60
 atcaaaaacc atcggtgagt ttacaacaat accaataaga ggaaacatct tatatgtgga 120
 gtattaaggt ttaatctaaa aaattcacat gatttattaa aaaaataaca tgaattttta 180
 agtggttaat tggtcacatg acattaaatc ttgatcattc atgtttgatt agacagtcca 240
 aatttaactt tctaaccctc atataagata cattcctcat atatctatct atatatgggg 300
 aatgttaaca tagaccact taaaaattag aaggtctata ttagcatcta gtatcctttc 360
 atttgaacaa aaaaatcact ctta 384

<210> 26530
 <211> 404
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26530

aactcagctt aatacaataa atgggaaagg tcagtaangt caagaatctg ataactaaca 60
tacaacattg aagcgtgtta cagaagccat atgcagtatt tatcataatg ataaacaaat 120
tggattaaaa aggtaaatat caattggcta ggcaatatca aaccaaactt atctatttgt 180
gaaggaaggc aagtattaaa tacttggtaa aattgcaaaa ttgatcccc actttatctc 240
caattacgga tttggncccn ctataaatta atacacaaat ttggtccctc aattttataa 300
atccctgcaa aattggacct gaaagcccaa ttcgtacgtt gaccgcaagc ctcagagatt 360
actgtgacgt gtcaatgcca cgtgagactg tctcatgact acat 404

<210> 26531
<211> 380
<212> DNA
<213> Glycine max

<400> 26531

agtttcgagg tatagtttca ctagcacttg ctgatcactt gagtcttgag atatttcagc 60
atgttgcaat ggtgaagctt gttttgctgg ttatattgtt tgatgttctg gtacctactt 120
gcttaacctt cagctgctgc ggtgaagatt gtaccaagct ttacatcaag ttactccgta 180
aaattatggc acgacttttc gggtagaatt gagacttgag aatgtaatgc aatttctgta 240
atgatgttga taagtagggc ctattagaat aggagggcta ttacagcatg tttgcccagag 300
tacttgtaat cataatatat agttattttc tttctaacca acatgtatta ggcttttcac 360
atccttctat atgaatttgt 380

<210> 26532
<211> 424
<212> DNA
<213> Glycine max

<400> 26532

tgtaaagcat gtatattgaa tctctagctt tttttgccca tttcaaacia ctaacaataa 60
cagtcaatag atttgcacaa aaggagtgtg tgaaattacg ttgggtctac aactggtaat 120
ttccgaacia gagttactgc ttttccatca atagtagggg ccatctcctc tcctttattc 180
cagtgaagt acgtcagctt tccttgaaag aagtttttcc aaacaacatc acgtacctct 240
ctgtctgtaa tttgacctcc tttgtagttc tgttcacatt atacattgaa taataaaaaat 300

catttcaaag gaggggattt gtaagtgcta acaatgtgat aaacagctac agataacagg 360
 aaaaccttgc actggcacag ttggtgaaat taaactacaa ggaaaaatat tcctataaat 420
 gtca 424

<210> 26533
 <211> 475
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26533

atgctagggc nnatttgaat cctttgantt gcnagcctag tacgattgag ngcctcggag 60
 atcctgtaga ggcgacctgc aagcatgcaa gttttgaaag ccattctgaa cgaatgactt 120
 tttgattgaa gacatcccat cacacggaac ggtttgtgga ctccgcgaac cctgtctcac 180
 gatatgacgc cgatatggta tatgctgaga gaattggaac tcggtatttg aatacaagcg 240
 cactggggag agaccagagg cgttcttaca tcgcaaaatc aaccctacag tatgttctct 300
 acaacattga gtcttaacca agcgtcccat tattaaacgc tgacgcccgt ctacagaaga 360
 aatctgtttt gtaaactgat tgctgaggct gattcctcta tgttatgcga gctgtccctg 420
 agtgngntag agtgtcgtag gactaagttg cacatgcatt gacaacatga agaan 475

<210> 26534
 <211> 476
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26534

agcaactagg ttgacccttg tgancccttg actctttgna cncagcgagt gccacggctc 60
 tctatcctga gcagcgcaac tgttgaacca gttttgctca tcttacggcc agcactgtga 120
 ctaacagaga aacgctctca acactatttc caatgattga aatggctagc ttgcactcta 180
 ggacgttaca ctccgagccc acttaaggaa cgccacttat gattttgaca ctgaaactcc 240
 gttgaatcgc aatattcata gaatgtaagg acagtgacca aaatcgtgtg catgaacact 300
 taaaccaaat gaatacattt ctcaaaagaa ggcttgatag ggacaggtaa ggccgtaaac 360
 cctgactttg atagcaacat gtggaaatgc ctggatcaac gcataccaca ctctattgca 420

tatatcttca tacttcacat tatctctccg ccgaacgaac caatgatagt aaactt 476

<210> 26535
 <211> 449
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26535

cgacccttga cgctttgatg acaacggtga nancataggc acttggagct ccgcccaggg 60
 tatctcaaac acgacactta tgatgccatt ttgagangac aacgccgaac tctagaagga 120
 tcttgagcac agtaggacac cgctgaatag aatgacggta gatccagatc attttgctga 180
 caggtcaacc tgtttgcat tatagtacgt ctaccctcca atgtttgcac agccaatttg 240
 acttataata cactgatgaa gtctctggta tgcgcatcga tctaccctct gagcttttta 300
 actccaaaca agagtattgc cggcatctac taaacaagat tattgatgtg atcaaactg 360
 agactattca tgcacattcc gatatggact cgtgcttcgc gattaaaatg tgatgttgcc 420
 agactccgga ctctacactt gatctcacg 449

<210> 26536
 <211> 380
 <212> DNA
 <213> Glycine max
 <400> 26536

attttcctta gagaggtttg gtgctccgtg taggaagaga tggttttgag aagagagaaa 60
 gaaaaaataa attcacgagg atgaataatc gaaaaagcta tttatatcta aggtattcac 120
 aacctattat ttactctatt gatttattgc tattatttaa tacaacatt atattttatt 180
 ccctattcaa taaataaata aaatattttt tgtattttct cgaaccatta ttctaattaa 240
 taattttttt atctatttaa ttataaaatc tcattatctt ttcaaactct tattttattt 300
 cgaataacaa tcattgttaa atcagtttat aagaaaaatg aaatgttaca catgtaaatg 360
 ccaatatcaa tataactatg 380

<210> 26537
 <211> 171
 <212> DNA
 <213> Glycine max

<400> 26537

agttttgaga aaattcattc gacaataact ttgtactcgg atgtccgatt gaggcccgaa 60
atatatcgag acgctcgaaa gtgaattccg aaaccctgag cataactgaa cgagcataac 120
cttttactcg gatgtccgat tgatgtccgt aatatattga aacgctcgaa t 171

<210> 26538

<211> 334

<212> DNA

<213> Glycine max

<400> 26538

tctacattca attccgagct ttgcgatata ttactgtatt caattggaca tccgagtcac 60
aagttattgt agtttgaatc tgctcagggc tgcgggattc catttcgagc gtctcgatat 120
attacgggac tcaatcggac atcagagtta aaagttattg atgctagaat ttgctcagag 180
cttggttatt ccatttccag cctctcgata tatgacggga ctcaatcaca catccgactg 240
aaaagttatt gacccctcaa tatgctcaga gggtcggcat gccattctga gcgtctcgag 300
gtattacagg actcaatctt acctccgagt aaaa 334

<210> 26539

<211> 213

<212> DNA

<213> Glycine max

<400> 26539

atgcccttca ttctttacat gtacgtaccg tctcctggac tgattttttt aaaaaaaaag 60
caaaacacct gtgtgatagg acgattatta gttattatta tccaatattt taagaatttt 120
gggcgggtta aataatttat gtggattaag attaagattt tattttaaat aggtttaatt 180
actatttttag tccttgaata tgaggagtgt att 213

<210> 26540

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26540

ttgngttatc gattacatgc ctnnattatc aaattctata tngntaagaa catttcagaa 60
 actacttttg ccatatttaa gaaaattggt aatcaattac cagagagtaa ataccatggt 120
 tttgaaatth taaaaaaaac tttttggaaa atgtcctttg gccaaacctt ttgcatcatc 180
 aagtaaagaa tggtgtctaa gactttaagg actatcatca tttatcttga atttctaagt 240
 tcttgacttg gattaaactt gaaaagtgtc tatcttggg catcatcaaa acttcatatt 300
 aagtatgctt ctacacagac tacctgcgtc accgacaggg cattttgaat tctctgacct 360
 cgcacccaaa cttcacgggt tctcacaatt tgatc 395

<210> 26541
 <211> 372
 <212> DNA
 <213> Glycine max

<400> 26541
 atctttctta agaagatttc taaagaagct agagcttagc tacacatacc tctctaatag 60
 ctaagctcac ctcttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120
 aagctcacc ccatgacaaa aaacatgaaa ataacaaaaa aagtccttat tacaagact 180
 actcaaatg ccccgaaata caagggttaa accctatacg actagaatgg ccaaaataca 240
 aggccagac gaaggaaaaa cctattctaa tatttataaa gataagcggg ctcatactta 300
 gcccatggg tcgaaatcta cctaagggt catgagaacc ctagggcctt cccttggatc 360
 tctagcccaa tc 372

<210> 26542
 <211> 319
 <212> DNA
 <213> Glycine max

<400> 26542
 actcaagctg gacccacgg aagctgctaa tatttccac acttttggag gcgggccaat 60
 cctggatggc caagaattac tcatggtcca cctgtaccgc atttatacca actaccaaac 120
 ctaagaaaac tataatatct acacacaatg tacacttacc tatatatgca catatggcgt 180
 tattcctaag gactgagaga actagactga gatagcctaa gggaacatga aggctcctac 240
 tgtacactga aatatcctct agacaaccta ctgcggatct agttatgaga tcccataaga 300

catgatgcat aagcctcat

319

<210> 26543
<211> 375
<212> DNA
<213> Glycine max

<400> 26543

agcttggtaca caataccata ttgaaagatg aaaaatctaa gactcagaat ggtttctgct 60
atccttgaac ccaagctcct gatatgagcc tgctgatgga ataatttatg aatattgaga 120
cacggatatt tgaatacagt caaacaatga tgaaacccaaa tgtgtccata catccaagat 180
ccaacaaaac attatcatct ctactacatt gagttctaaa aaagtgtcca attattagag 240
tatgtttgtca gtcaactgta aaaacagttc tgtaaaactaa ttgtaagggc tgttagcttt 300
tgctaacagc acctatccta gagttagtta gagttgggta ggttctgtta gttagttagt 360
tacaatctgt taaaa 375

<210> 26544
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26544

ntaaagataa tggcactggtt attaataataa aatgttttga gatgcgaatg gatnggatgg 60
tgaagaagaa aaattaaccc taaaaaattt atgcctatct cccaaatgac gatcttgtcc 120
tctgtaactt ttcaattcat ccgcgctagt gaaaggggtga ttctgccttt gtacagtga 180
atctgtgca tctctagata taattaaatg taaaatcaat aactaaattt ggatgcaaaa 240
aatcataatc ataataatca tttttttata tagaattctt gaaagggat ggaatggcct 300
caaccgcac cttttgtaac aacttgtgga aatgccatgt gcaacgctca ccacataata 360
ttctctatct tttctaaat agcaatcttt ctctgccaat ctcanaaaan aaaaaaaac 420
t 421

<210> 26545
<211> 354
<212> DNA
<213> Glycine max

<400> 26545

atcttcgacg ccattctact agcttgcgca ccgttatgac catcgaaaac tgccacaatc 60
ccgaccgcaa cctccttgat cccgttcgga cctgttccag cgtcgaacgc aataaattac 120
aacgaatgct tcagacgaaa cttctagaac acaaaccagg gggagagaga gtatggtacc 180
ggcgaagggga atgcgaacat cgaggacgca gagagcgca tcctcttgcg agtttctgcg 240
gccttggagc atggcggttt ggcaacgcgc ggtgggtttg ggaggggaat cgtaatcgga 300
gagcttccag cggggggcatt ttggggattg gacaccgct gagcaccgcc gctc 354

<210> 26546

<211> 410

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26546

ntccccana aatgtacact tctccagctt acaatattgt gaaatgaacc cttttttaga 60
ttactttgcg atcaaaatct tattgctggt tttagacatc acaagtatgc aacagtataa 120
aaatggagaa caaacaatgt cttttttttt ttcaatccaa caacattatg tttactggt 180
aagcactatt actggcacta tcatttgact atatgtccaa ttcagtagct actggttgtc 240
tttgaacca tttcatcac atgatgtcac catgcctcaa cttctagcta ctgcaacatc 300
cacacgcctc ttttgcccga ggtattttct gcctttatca gccattcttc ttctacaccc 360
actaataata gaaaagaata aaaaatatcc ttacttatag cttatatata 410

<210> 26547

<211> 354

<212> DNA

<213> Glycine max

<400> 26547

agtttcacaa gcaagcttcc atcaccttgt ttttgaaatc tatactaaat tgccttcaat 60
ttagtatata gaagtctcca tttggaatga cgaacatgaa cgtgagaggc cttcgagcga 120
catagagagg agctaattgga aggatatccg tagatgatgg gagtttattt tcatttactg 180
ctttgatacc gtcgttgggg tcaaggaacc caactatagt gatgtatggt tgtccctatt 240

gcatgttagt tttcaagaaa aattgtgttt ttgactaatg ggatgtggct tatttgttat 300
tgattattga aattatgaat gatactattg ttgcataaga cttgtgttgt ctga 354

<210> 26548
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26548

gcaataccct ttgatcctga ncncagaacn cannaaattg caaggtcacc ccggaagccg 60
caattttanc cacacttatg agtttggcca cgccagcatg gcgaagaatt agccatgttc 120
cacctggacc gcctctatac caactacaaa acctaagaca actaatatat ctactcaaca 180
ggtacacttc cctatatatg cacagatagc gtgattccta atgactgaat gaactagact 240
gagagcccta agtgacatat ggctacactg tcacgtaaag atcctctaaa taagcaactg 300
cgggtcctct ttggagggtc catgagacat gaggcataag cctcataaaa gatcatggag 360
catcatagac cccaacaggc agttctagcc actaatacc acacaaatgg ggcatgaaaa 420
ccgattctca ctctcagcc tctcatatcc tgattgggta g 461

<210> 26549
<211> 381
<212> DNA
<213> Glycine max

<400> 26549

agcttccaca acatccaagc aaaacaacat tcaaacagca caagctatca caaccaagca 60
aaacagagca aaggcagaaa actctgctca aacaccaacc aaaatcacag cttttctcac 120
ttaaagaccc agtaacaatt ccttcgatcc aattcgtaa ccgatggatc aactccaaaa 180
ttttactgga agtctatagt gcataagcct acattgtgac cgttgggatc tactagcaaa 240
catccagcac tcattctgca ctactctttc cacaaccagc aaaaacatag catttttctg 300
cacttggtga aaatcctgct gcacaatttc acagcaaaaa tctgcacaaa gtgcagatgt 360
cgaaattcac acttctctc a 381

<210> 26550
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26550

actcagcttc tacaaaacct ggataagatt cattgcatgt ttaagatgct ttgctntct 60
gtgctgntag agccaaggat ttgccctttt tgaatcattc atgttattta atttcttggt 120
catgaacctt taagggtcca attagctctt caatggacat ggagtccagg ttcttcacaa 180
ctcttaaggc tgtcacttgt ggtctctact ttcttgataa acttcttaga attttggtta 240
tgttatcata attattaaaa gttttgttaa gataacataa ttcatttaaa atattttgga 300
agcgtocaaa catggcttgt atatcttcac catcttccat agtgaaaagt tcatacatat 360
gtgttaacaa gctatgctta ttacgttttt cctatgacaa tccttcatac atcanagcta 420
atgtgtccta ca 432

<210> 26551
<211> 360
<212> DNA
<213> Glycine max

<400> 26551

agcttcacaa tattgttaat attgttacta gcaacagtgc attatttcag tagagcacag 60
cacagatccc ccctttgaaa gaaaccatga aagatgcaat gcagcccata ctaatctcac 120
tcaagtaa ataaataa aatagtga ctgataaatg attatacgat ttctattgat 180
ctttacctac agtaaaataa gtaaagcatt gacaacaaag agaggcatta ggaaatagat 240
tgagatcaca aatgcaagat tactatgcac gaattataga accactacta gaaattgatt 300
gcagagagag aatgaaaagt aaaaagaata ataatttttt ttacagaagc tgaaacgtac 360

<210> 26552
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26552

actcaagctt ctataccagc tgaaccattn tatcaataaa cacattttga gttttattca 60
gaaaattaga gtttatctct tttatcttag tgagagtgat tctcctaaat tcttgagtga 120

ttcaagaaca ccttggctgt atcaaaggac tttcacaacc tttgtgtgtt gccctcgctg 180
gaaagagtga ttctttcctt cctttcatca tcacccttgt tctttcaaac cacaattcca 240
gaaaatccac ctctgtccag aattatctcg tggccataac tcccatttta cgcaactcaa 300
ttaagtgatt cttgagccta aattgaattt caaacgaga catttcacct cgttttgtaa 360
tcacctcatt tggagccctg tagcttcagt tattgccatt tctatatttc tgtccagcca 420
ccacttaacc tacgt 435

<210> 26553
<211> 459
<212> DNA
<213> Glycine max

<400> 26553
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cgacctcgct gcatgcaagc tttgacatgc tggttttcaa aacttggtct atatgtgcct 120
catgcgcccc ttcaccgcta tgatgacacc agagtgcctc tcttgaacac tgactaggct 180
ttttctgaat tgttgatgat aggcctttat gggcggagac tctagtacct gtgttctatt 240
ataggctatg cgtggacgga tgggaagaat agaggcacac tgatgtgata tagtcactcg 300
tgaagtgtaa ccctgctgtt aaaatctatt gatggctctg atgcgtgtta gacagaaaga 360
gaactagtgg agacgaccct tgccattgtg gaggacgttg gatgacaata tgttgtttaa 420
attgaaacca gagttgttac catctatttt gatcgagat 459

<210> 26554
<211> 439
<212> DNA
<213> Glycine max

<400> 26554
actccagctg ctttgaattg caaagcccac tccatctttt gacagtgttt gacatctcaa 60
acaaacaaat ctaacgtagc aagacaatta tacgagacga tcgaatacct caccactct 120
agggtatcac acaatcatgg ctttgctcta catgaaacac tcttgctttt gaccactcta 180
attccccctg agttcttagg caagtcatga gatcatggcc tctacataga acaatatacc 240
tatatgtgtc aagtaatgct agagagacaa tgaatagggt aaccataaaa acggctaacc 300

<210> 26557
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 26557

agcttgccctc aaagaggtcc aggaaagaca aggcggccga aggaactagt tccgccccgg 60
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 gatggtcggtt tctccgagag cgacgcgtcc agctcagggg ggacgagtat actgatttcc 180
 aggaggaaat atggcgccgg cgggtgggcac cactgggttac tcccatggcc aagtttgatc 240
 cagaaatagt ccttgagttt tacgccaatg cttggccaac agaggaaggc gtgcgtgaca 300
 tgagatcctc ggtaggggt cagtggatcc cgttcgatgc cgacgctatc agccagctcc 360
 tgggatatcc gatggtattg gaagag 386

<210> 26558
 <211> 431
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26558

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 aagagttagg tctagccacg gccacgagc atagaatcgc ggatgagtat gccaagtat 120
 acgcggaaaa agaggctaga ggaaggggtga tcgactcttt acaccaagag gcaaccatgt 180
 ggatggaccg gttcgctctt accttgaacg ggagtcaaga acttccccgc ttgttagcca 240
 aggccaaggc aatggcagac acctactcca ccccggaaga gattcatggg cttctcggct 300
 attgtcagca tatgatagac ttaatggccc acataattag aaatcgttag gaaacttgta 360
 tgggtctctca gaccttgact agatacgact tcctttnttt ttgaaataaa atgagttggt 420
 cccatgtttc t 431

<210> 26559
 <211> 350
 <212> DNA
 <213> Glycine max

<400> 26559

agctttctga agttctctgg ttttccaaac ctigaaaact tgtgctattc atcttttcat 60
tctcttctcc ctttgccaaa aagaattcgt caaggactaa ccgcctgaat tctttttgtg 120
tctctcttct cctttttcca aaagaacgaa ggactaaccg cctgaattct tttgtgtctc 180
ccttctccgt tgtcaaagaa ttcaaaatga cacagtctga gaattctttt gattcttccc 240
attccctaata acaaaagtgt tcaaaggact aatcgcttga gaattctttt gtatccccat 300
tcacaaagca tcaaagggtt aacagcctga gatctttttc ttaacacatt 350

<210> 26560
<211> 293
<212> DNA
<213> Glycine max

<400> 26560

gataatgagg gacatcatga aaaaggggga gaatatggat caagcagggt ttgataatgt 60
tgaaaagaat ttgcttgata atgagtgtca tcatgaaaaa aaggggagaat gtggatcatg 120
cttatttttaa tgatgtcgaa aagagatcac ttgattgtcg tcatcaaaaa gggggagaat 180
gtgaatgtat gatgattttg atgatgctaa agaagaatca aacaaggctg ctacatttgc 240
ttcaagatta atacaagatt gcttcaacaa acaaagcctt gattcaagat ttc 293

<210> 26561
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26561

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aaggcccaga cgggcctgga tgctatttgc acccccattt ttactaagta caccctctac 120
cttttttttg tgattctttt ttcgtanaag tacagaaact tacgaatttc ctacaaaact 180
ggttttcttt ccgtgatgtt acggaacctt gtggattaca taatcatccc ctttttgact 240
tac 243

<210> 26562
<211> 422
<212> DNA

<213> Glycine max

<400> 26562

taaaggaaaa gtttactgca taactgtctg aacaattatg tcgtttggaa ccaagtgttg 60
ggcagcaaaa atccaagaaa ataaactata tgtagcaaag ataagaatgg cgtgtcggat 120
gcgттаacat aatagacaaa aatatagaat taggaataaa tacattagat agaaagtcaa 180
gatagaacct atagtagaaa agaaggtaga atcttgccag tattatgaaa aggaagcttg 240
atgcaataat ggtagtagat ttacttagaa atgtaaaata actgactgct accttgaagc 300
aatatcaagt aaacttctca tagttgatcc agaatcagat gcccatgcaa gaatttcttg 360
tcttccccca gatataaaaag cagataaaca ttctgtagca ttctgcttat gtcacatcaa 420
tg 422

<210> 26563

<211> 251

<212> DNA

<213> Glycine max

<400> 26563

tgattggatt atattgttgg agattattgt tectgtctta aatcaaaggt tattatggcg 60
tgcttggggt gatttgtggg acatgagagg gagaggctga cggtgagggt ggcgccgccg 120
gagagaaatg agagagaatt aatatgggaa ttgggaagaa agagatagag agaagacaag 180
cctaaattag gaaaagtaag aaaaaagaaa ataaataaaa tataaaagaa agaaaatttg 240
aaccattgat t 251

<210> 26564

<211> 425

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26564

aaaggtaa atgtntagt actggcttat attgatttaa taacaataaa gaacaagact 60
cggttgggcg tgggatcgat cgagactagc taggtcatta tcatctattt gatttaaatg 120
tatcgtaa atgtggcaca aaaaacaaaa ttatacaggc aagtcttttt tgtctttata 180
aacagtggct tgttataata acatttaata tatatatata tatatatata tatatatata 240

tatataatta tatctgtata tataaaagat atttattagc aagtttcccc tttaatatat 300
tataagagaa tcgtaattat aactagttaa catatTTTTT aaaaatgaag tgctagtata 360
ttagcaaaat tttcataaac atctactaac cttaaccata taattttaaT aaatagttaa 420
aatta 425

<210> 26565
<211> 334
<212> DNA
<213> Glycine max
<400> 26565

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tgagtcccgT catatatcga gacgctcgga attgaaaaca gaagcgctga gctaattaat 120
acgacaacta cattctactt cgaagtccga atgaatacag ttttgtatcg agaccttgat 180
attgagacca gaagctcgta tctactgcaa accgcacttt catttaactc agacgtccga 240
ttaagtctcg aagtatatcg agacgcttga gagtgaaaca gaagctatga gcaattcaac 300
gacgattact tttactctga tgttcgaatg aatc 334

<210> 26566
<211> 423
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26566

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tgattggact cggagtanca agttattgtg gttaggatgt gccacgacct tctggtgtga 120
tttcgagctt ctctgtctat gatgggatac attcggacat ccgagtaaca agccattgtc 180
gactgaattg ctcagagctt ctgtcatcaa tntcagcgtc tcgatatatc acgggactcg 240
atcggatatt ggagccaaaa gttctagtgg gttgcatctg ctacgagctt ctgatttcag 300
atcgagcatc agatcgagac taatcgacat actggtaaaa tttcttgcca ttaagtacta 360
ggagcattgg ctgaatacga gcgtatgata tactacagac tcatcgatat cggagtcatg 420
tat 423

<210> 26567
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 26567

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tggaacctgg aaacatgtca cgggggtcag gagaccttgg ggacgtcaag aggggggcta 120
ttgcccga aa cccgatcttga ccaatccga cccaaccgg gcatagtctg acagcgaaaa 180
cctgtgatgc acctaatacat gcgagctcct ggcacgttac agattacatg aaaacaagac 240
cacaaagcat tgaggctagt ggtggctggc catctgtcaa tattgcgtaa tatgtgagat 300
atagcctctg gtaatcgatt accgaagggt cgtgatcgat tccagggtt aaaa 354
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<210> 26568
 <211> 407
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26568

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tgtgtcgac tggctactgc ggaagttaaa catatttctg cagttagctg angagctcaa 60
agactctgga tgaagcatca acttgaagac tttggagtaa accttgatca cattcctcta 120
aaatgtgaca acacaagtgc gatcaaccta caaaaaaacc ttgtcatgca ttctaggact 180
aaacacatag agataaggca ttattttctt agaaatcatg tgttaaaagg tgattgttgt 240
attgagttca ttgatagtga gcatcaacta gcagatattg tcaactatacc tcttgctaga 300
gataggttct ttttcattag aaatgaacta agcatattag atgcatctag catagaatga 360
tattctgttt gcacagtgtg tgtgattgac attgctactc atataat 407
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<210> 26569
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 26569

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agcttctcca tgagatatta tccaataaga aacaaaacta catgaaggaa agctattcag 60
aagttggaaa ggccatcatg atttcaaggt caaagtgtag atataagaag ttgtatatga 120
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tcagaggcat gatgtaggg ataacttaat tcaaggggta gaaattagaa gctacacatg 180
 acttgaggat catcagaagt tgcactacaa ttggaatgtg aaaacaaaca tgtctcacat 240
 tccaaaaaca cacaccaacc aaagatgcat aaattcttag acaacattga tcctaattgtt 300
 gttgttcctt gaaatccttg acacagtcca agtctcaaga actcaaagga aacaccc 357

<210> 26570
 <211> 330
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26570

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 cgattatcgt ctccctttnt gcacatgttc tgtagttgca tcctatccgg aaccatatca 120
 gaatagtact gatactgcct aacgaaggca accattaggt ccttccaagt atggactcgg 180
 gaagggtcca agttagtgtg ccaagtaaca gctaccccag taagactttc ttggaagaaa 240
 tgtattagca gttcctcatc tttgtgtatg cccttatctt ccgacaatac atctttggat 300
 ggttcttggg gcaagtagtc cccttgtagt 330

<210> 26571
 <211> 353
 <212> DNA
 <213> Glycine max
 <400> 26571

agcttattgc tataattaaa atgactttta gtttttttaa actcccaaac cttttgatat 60
 taggactata aaaataaaag gctaaattac aattttgggt cccttcatcc taatttgtga 120
 ttttagtctc ctaaattttg ttaagtttac tattttttta gtccaggaac tttttttcta 180
 ctatttttag tcctttaatt tttttcatcc ttacttaaag tcaagattgg aaaaaaaaag 240
 taaaaggatt gaaagtaaag acaaaaaaaaa atagctaaat tgactagtaa aaaaaatttt 300
 tagagctaaa aacataaatc ttaaaaaatt tagggactaa atagatagta aat 353

<210> 26572
 <211> 416
 <212> DNA

<213> Glycine max

<400> 26572

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gttgagagga agtagtttca ccttcttttg ctataatttg ctcttgcatg tcgagttctc 120
cccacggttt tcttgtggtt atccttcaat ttatagtagt ttttttttat ctccgaaaca 180
aacatgaata catgagttcc ttgaccctt tatctctgat aattaaattc cccctctatc 240
tccataagtt gaaacaatga aaatggttag aattaaggat taatagcaca aagccaaagt 300
gataaagaaa aaatgaaaaa aaaaataatg atcaatagtg tgggtggcaga aatagtgatg 360
tcaaaggcaa tggaatcaga ggggggaaaa gacttgtgaa agtaattaag ctctag 416

<210> 26573

<211> 370

<212> DNA

<213> Glycine max

<400> 26573

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tttcaatata gcaggatcaa ggtccaaaac accgaggatga aattggactt gctcgttcta 120
gtcagagaag ttaagcccat taaaattggc acagatgata catgagaatt cagtgaattg 180
ggaacatgta ttgcataata aaattcacat gagtgttttg attcataata catatgtcat 240
acatatgatt cattcagata acgatcaata tatatcgaat ctttcttttg ggtgatacac 300
caacacacaa catacaaaca tgatgatgct catagaactc ttaacattat ttgacaatta 360
aatatgcacc 370

<210> 26574

<211> 429

<212> DNA

<213> Glycine max

<400> 26574

ctccacaaca cctataaagt aggggttgcca agccaacaat cattcagtct atatggctct 60
gggccctaatt cttataatga actttacaag atgatcggac aatggttgaa aaagttccta 120
tccaatacca caagcaagct ccttttccat gtgtcaaccc attcccttga agtcaaacgt 180

ctatctaata cactcatggt cttaccattt ggatgaaacc atgtgaattt tctccccaca 240
aatggaatat ctaccatatt catatccaag ataaattcat taaactctct attatgcccc 300
ccatgaggat gtgtattatc acttttttctt tgatgcatac cacatacact attaaaatct 360
ccaatagggc accaatgatc aatgctactc ccactccttc tacctatgag ttcctaccac 420
attcttctt 429

<210> 26575
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26575

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gaactaatat cataggggggt tccatagagt ttctcatagg gagttttggt accaagaaaa 120
gtagtaggta tgcagttaac aagaatacca aagtgaatta aagcataaga ccaacaaatg 180
aaaggtaaata tagattgaaa caacaaggat ctagtaacat taagcaagtg ttgatgcttt 240
ctttctacaa ttccattttg ttgaggtggt tcaacgcagg aagttttggtg tataattcca 300
atttcatcat agaattgtct tagaatgaat tctgatccat tgtctgatct aatcattttc 360
acctttatat caaact 376

<210> 26576
<211> 431
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26576

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gtactttggt ttctagccgt gtatttggtt atattatgac acttgaacaa tttagtattt 120
ctttatatgc atggaatgat tgaacaatta tgaattatgt tatatgacta tgtgggtttt 180
atatatttga tctatccatg tttcttgctt catgggttgggt ttatattctt caatgaatgt 240
cttgtgaatg attgatagta tatgaatggt ttatacttgt tacacactgt ggctttttgt 300
tgatgccaaa gggcgagaga catagggatt aaatcaagaa ctcacataag taattaactt 360

aatttcaagt gaagcataaa ctcaaaaaca aagggggaga atggaaaatc aagtgagtga 420
tcgactaggg a 431

<210> 26577
<211> 381
<212> DNA
<213> Glycine max

<400> 26577

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ggtaaaccat gaaataaatt gctctatatt agttgtatca atgaagggtg gcaagttaag 120
ttttgtgcct aaacctctgg ccgagcaaca cttgagaaat attgcggcac cgaagtactt 180
gagtaatctt acaagggtcac tcatcgagggt tgctcttcat ccatgacttc ggcttcaaatt 240
tctgctgttt gagattccct ggatgtaggt gaattagaag atgttgactc aaaaaagtga 300
gcctcttcaa ggattgatgc tactattcta tcgtgcaaaa gctctcttta tctctcggtg 360
ttgtttcttc aaaaggaggc t 381

<210> 26578
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26578

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tttttacc aa tttgttagtg aatgtttgcc tccttgaagc acaatgtttt ggaaaatttg 120
tcaggaaatg tttgtgtctt ctttaccaaa attggtttgt tgctctacac atgctcattg 180
gtaagtgggt ccctcaaatt tgctacttat tgtaaaaatg gtaaaaaaaa aactagatga 240
caatatagct gacaatgtga ttctcattta tgccataaag aattgaacat ttgctataaa 300
ttgtcaaatt ggtccctcaa tttttacatt tattgtcaaa atggtaaaaa gatatgcaac 360
taaagtatgt gattctaaca ccaatattgt tgaatttggg tcagtgtagc tagcaaatta 420
tcttaaaatt caatca 436

<210> 26579
<211> 305

<212> DNA
<213> Glycine max

<400> 26579

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ttatcttgac tctattatct tcatgatcaa caactcagat atattgggat ttgagagatc 120
aattcaattt tgtgcgatcc tcttactcac ttgtactttc tgcgtgcatg cttgagagta 180
gcctattggc ttagagatag aaacatgcat atagactat atatctataa aagaatcttt 240
aactacttga cagaaaatat gtgtaatact gggaccctgg ccattggatg gccaggcggt 300
ttgtg 305

<210> 26580
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26580

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tattagagng tatctctttt atcttagtga gagtgattct cctaaattct tgagtgattc 120
aagaacaccc tgactgtatc aaaggacatt cacaaccgtt gtgtgttgcc ctgctggaa 180
agagtgattc tttccttctt ttcattctca cccttggctt ttcaaaccac aattccagaa 240
aatccacctc tgcccagaat tatctcgtgg ccataactcc cattttacgc actcaaatta 300
agtgattctt gagcctaaat tgaatttcaa aacgagacct ttcacctcgt ttggaatca 360
cctcatttgg agccctgtag cttcagttat tgccatttct atatttctg 409

<210> 26581
<211> 378
<212> DNA
<213> Glycine max

<400> 26581

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tcttgccctc ctcttttgcg tgtgctcacc ccatgaatag agcttgact tgacctttca 120
ccagagctct attaatatca cccttgaaag ttgcatttat ctcaattcat acttcatgcc 180

tcttatagcc acaagcatga ggaaactaca taaagcaaca tcctctcagg ctgcacttct 240
 tggagattct attataattg caaacgtagt tctaggtgta taaacttctc taatttctat 300
 acataatatc atacactgac gttgaatata tggatatcaa tgacaagtat agctctcttt 360
 cctgacacat tcgatgat 378

<210> 26582
 <211> 438
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26582

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 tactatcatg tatatacccc caaaattatt agagtgtggc aacaatgtct ttgatagtac 120
 aaagtcaaca atatagataa tatgtaaata aatatgttgt ctacaaaaat caatgctacg 180
 aagacatgtg taaatgactc ttgagaacat cacatataaa tagagatatt ctaacatatt 240
 tttattttatt tatttaagtg taaataaagg agaaaagaaa taaataagat aaaaatatta 300
 tttttggtcc gtctacacac aaaaacaaaa aaaattccca taatttatta ctaagaaaga 360
 catgtagggt gngattatta ttctttcttc tattttaaaa attaaataat tctgtaaaaa 420
 tataaacatt aaataatt 438

<210> 26583
 <211> 372
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26583

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 ggggagcctc tataaaggcc gtcagtaact gaacaaacca aaatcactga tatctccgat 120
 tggatcgaat gaacaagacc attaatgtcg ctaggacccc gttaatggag tttatggtga 180
 gagcacgaca atgaaccaat caaaagatac tacgtgaagt agactgaagt agaaactctg 240
 ctcttactca gctattttgca cggaatcatt agtaagatga ttgtcaccta caccacacat 300
 cttcctgaga tggaacatgt gggatcttga tcaacaaatc ggatagacgc tacaagctaa 360

ctgtgcaaca ag

372

<210> 26584
<211> 363
<212> DNA
<213> Glycine max

<400> 26584

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acacaaccat aaactaaaat aagcatatgt gatcagtgtc aaaataaaat gcaaccattt 120
acaaaaccaa tcaagaaaat aagaatagat tattacagct aaccaatcaa caagcctttc 180
aagtagccat gcttgagatt gcttgtccac ataaaatatt tcaattaact cccacgcagc 240
tttcaaagat gtaggctctt cacctctcta tattatgtgt aatgtgttaa aaagcaagtg 300
attaacttct cggtatcata attcccacaa agcagatctc agctcagcta aacacggtaa 360
aac 363

<210> 26585
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26585

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gggagccaag ttatcccttg cctcctaaac ctcaaccact tgtgatagcc gctgatgacg 120
ccattgctac ttcccctaag ctcccttatct ttcctttcca ctgtattcca tgctttatgg 180
attctctgaa gtatcctcac attgggttca ttgaaacctc gtgcgacgaa aggcgcgatg 240
atctcctcca atgggtgcacc totcataggg tagcctagtt gtcttatggc cagcatggga 300
ttataattaa tacaaccctt tgttcctatc aaggcgatgt ttgggaatcc ttcacacgag 360
cacaacactc ctgcccctcc ttctttccat cgnnggaact agctaattgga cgctectacc 420
ata 423

<210> 26586
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26586

gcgattcact cgtcccgga tcttagagtc actgtatgct gcaagcttct acattcaatt 60
tcgagcgtct cgatatgtta ccggacccaa tgagacatcc cagtaaaaag ttattgtcgt 120
ttgaattggc tgaaatcttt aacaattaat ttccagcgtc tcgatatgtt acggtacttc 180
atcagacatt cgagtaaaaa gttattgtcg tttgaattaa ctcagagctt caacattcaa 240
tntcgagcgt ctcgatatat tacgagcctc aatcagacat ccgagtaaaa agttattgtc 300
gtttgaacta gctcagagat tcaacattga atttcgagcc tctcgatata ttacgagact 360
caatcagaca 370

<210> 26587
<211> 416
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26587

ctcagettga gccattcnac aacataactt ttactcattg tctgattgag tcccgttaaca 60
tatcgagacg ctcgagattg aatgttgaac ttttgagcta attcaaacga caataacatt 120
tttctcggat gtctggttga gtcccgtagc atatcgagac gctcgaaatt gaatgttgaa 180
cctcttagct aattcaaacg acaataactt ttttcacgga tgtctgatag agtcccgtaa 240
catatcgaga cgctcgaaat tgaatgttga agctctgagc caattcaaac aacaataact 300
tttttctcgg atgtctgatt gagtcccgta acatattgag acgctcgaaa ttgaatgttg 360
aaactctgag ccaattcaca caacaataac tttgtactcg gatgtctgat tgagtc 416

<210> 26588
<211> 364
<212> DNA
<213> Glycine max

<400> 26588

tgtcttattg gaagacaatt gtcatatgca agcctgcaaa ttcattgactt aatgcagatc 60
cacttgctat acagttggac tagtgcgagc atcgcgctaa gcgcgttcat catgagcatc 120
acgctaagca tgttcagcat gagcatcacg ctaagcgcgt tcagcatgag cattacgcta 180

agcgattga tgcgctctaa ttggttagca atcacaatcc ctatataaga aagaaacttg 240
 agaagtaaga ggagcatttg acatctaaga atattgagaa tagaagcaag tcgtccacta 300
 ccgatgtaag gaaatccatt ttcggagctc tggcttagtg atttcactcc attcttcttt 360
 catt 364

<210> 26589
 <211> 410
 <212> DNA
 <213> Glycine max

<400> 26589
 tgttcacccc atgtcgaatg cgctttttta gagcttttca tagtaccact aattgttctc 60
 cttatgaaga tgagcatggg ttttaaccac taactcctct tgacctttcg cctaattgctg 120
 ctgtttataa ccataaagaa cgtcaagcaa aggcgggacta tgagaaaaag cttcatgaga 180
 gagtcacaga tcaaattgag aggaaaagta acagctatgc taaacaagcc aacaaaggga 240
 gaaagatggg tgtcttctaa cccggagatt gcgcacgggt gcacatgaga taagaaacgt 300
 ttcttgaaca gaggaaatca aagcttcaac caaggcgaga tggaccattt caagtgtctg 360
 acagaatcaa tgacaatgct tacaaaattg agctgcccgg tgagtataat 410

<210> 26590
 <211> 447
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26590
 tgaaaggaaa ttgaacctga ttgatgcttg aaanctgggc cttgaacccg tccggagatc 60
 cttagatcca cttttgcaga aatttttgaa gaccatgttt acttggcgca caggctagtg 120
 gaagtagcca gattggtact aatgcgatca agccatccc aggttgagtg aggtatgtat 180
 aaactggccg aacatccctc tagcaaccct atgtacatcc tggaggatgg taaaagctct 240
 acaacaggcc cgagagtccc gctgactttt catttgcgat agcatcaagt tcatgcaacc 300
 tgattgggaa tacaacgacc aggcgctagc gtggtctatg tgattaagca cctgcaggca 360
 tacagggagc cactcgtgtt tcagaagcaa aatgttcaat agatactccc cgtaacagta 420

tactaccgag ggggctgctt acgactg

447

<210> 26591
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26591

cgaccctttg caccgctgat gacgttgaca nnctngagac ancagacgaa acncaagacg 60
gcanaacaca tccgnnacac agcttttccc gaattgncca gttggcagga gcaacaaacg 120
agcagcccag ggcgtaggaa caccacacct ataaccgaaa ggccgtagga cactgcgagg 180
agtggatttt gcgacatagt cagacgacct tattacttct tgaatacatc gccactgaga 240
aacgatgact gacatgctga tgtatagacc aagactgatac tgggttagct gtgcaaacc 300
ataggataac ccacactccg cgtcttcgcg gcacgaagca tgagagtcga cctgcacct 360
gaatattcta caacactcca ttgattacat tcccatgcmc tatccacaat gtgcgtgtgc 420
atgcttaatc catgtgcgat ggaacaatct aatacccgga tatggagcgt gcagatactg 480

<210> 26592
<211> 356
<212> DNA
<213> Glycine max

<400> 26592

atctttgctt ctacacttac tactctcaaa acatagaacc acgacctcac acgagaactc 60
aaaatacaga ggaagaagg aaactcactc gtggaactca cacgatgaag aatactccca 120
agggattgag ttttattact ttttttatga attaatatga ttacaataag atactgctat 180
ttatacaaat gaaagcaatg ggaccgctt aaattctaac cacccttttt atttttgacc 240
ctatacagtt atttctataa actgagtatt acatgtgggg agatatcaat tttgaagaaa 300
tatgtgttcc atttaaggaa atcataatgg ttgcagaatt cttgtaacca cccgtg 356

<210> 26593
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 26593

tgagtattgt tgcattctac taatatatgg agctgtttac tgctttgcct gagaataaca 60
attgcttgac cacaacaacg ctggaggcgg taagggacaa tggctcttca aataaacttg 120
ttgtacatga acaaaaatta tatcatgcag tgaccgactc acatgaaccg gggaagtcac 180
tgcataattg ttataactaac tatattcaat gtacctgaac aaaatgattt acagacacgt 240
gaccaacaca tatcatgcgg agcccagaag aatcagggtg tggctgactt ctaagaggaa 300
aaaatatcat gctttgttgt cgggacaacg atacaaggat tacgttatac cgtgatgcaa 360
tcacatatcc catntcttgt atatccatcc acttgtccac actaac 406

<210> 26594

<211> 348

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26594

atctttaact cggatgtccg attcaggcgc ataatatatc gagacacttg atattgaata 60
acagaagctc tcgagaaatt cgaatggtca taacttttca cacggatgtc cgattcgggc 120
gcataaatatg tcgagacgct cgaaattgaa caacggaagc tctcgagaaa tcctaattggc 180
cataactttt cactcggagg accgattcat ggcataata tatctagacg ctcgaaattg 240
aaaaacggaa gctcccgaga aattcaaattg gtcataaact ttaactcaga ggtccgattc 300
atgcgcataa tatatcgaga cgctcgaata tgaacactcg aagctctc 348

<210> 26595

<211> 416

<212> DNA

<213> Glycine max

<400> 26595

actcagctgt agcaaagca actgtatacg ttttactctt tgttcgattg agtcacgtaa 60
tacatcgaaa cgctcgaat tgaaaacaga agctctgtgc aaattcaaac gacaatacat 120
tttaactcgg atgtccgatt gagtcccgta atatatcaag aactcggaaa ttgagaataa 180
aagctctgaa caaattcaaa cgacaataac ttttactcgg gatgtgcat tgagtccagt 240
aatatatcta gacactcgaa attgagaata gaagagctga gcaaattcaa acgacaataa 300

<210> 26598
 <211> 382
 <212> DNA
 <213> Glycine max

<400> 26598

agcttgctct aaatttacat tgatgtttgt atttatggga ggaagctgta tgtcattttt 60
 ggtttaagaa tagtatccca ctggtaaaac taactttcca aatgtttgcc ttcgcaagaa 120
 atgccccgag gaagcttgcc tcaaaaaggt ccaggaaaga caatgcagca gaaggaacta 180
 gttccgctcc ggagtatgat agtcaccgct ttatgagcgc ggtacaccag cagcgcttca 240
 aagccatcaa ggggtggtcg tttctccggg agcgacgcgt ccagctcagg gacgacgagt 300
 atactgattt ccaggaggaa atagggcgcc ggcggtgggc accactgggt actcccatgg 360
 ccaagtttga tccagaaata gt 382

<210> 26599
 <211> 430
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26599

tctcaaggag gtgagcttag ttattagaga gatgtgtgta gctaagttct agcttctcaa 60
 ggaagttttc tcaaagaagc ttctcaagga agttttctca agaaagcttc tcaaggaagc 120
 tacctagtct ataaatagaa gcatgtgtaa cacttggtgt aactttgatg aatgagagtc 180
 ttgtgagaca cgactcanag ttgaacttct ctccctcttt tattccttca atttcgtgct 240
 cccccctctc tctttctctc cctctttctt ttctccatt gaagcatcct tccaagcttc 300
 ttatccaagg ctcatcttgg tgggtgaagct ccttcttcca tggcttattc cctagtggat 360
 ggcgcctcct ctacactctt ctcccttgte ttccgctgca tctccatgat ggaaaatcac 420
 cattaagga 430

<210> 26600
 <211> 206
 <212> DNA
 <213> Glycine max

<400> 26600

agcttcccaa tgaattgttg taagaacgaa ccatagagag aggggacgcaa agtgaagttg 60
 aaattaagtt atgccgtgaa gttatgagag agctttggaa aaactgatat atgtatatat 120
 atatatagat atatatatat atagatatat agatacatat gtctatctgt atagacatct 180
 ctgtatctct atatgtctag ctaacc 206

<210> 26601
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26601

tgaattttct ctgacaaaag tgtccacatt tccattataa ttgattatgt gctttattgc 60
 aacattcaga ttatttgtca ttgtaccctt atagacctta cctaaaattg aaatccatta 120
 ataagatttc cttatacata gagattcaat caagcttggg caatttaaata aaataagtgg 180
 atgtcttcaa ttggttaggc aaggcaaaga accaagattt taagttttta actctaggaa 240
 cacttatcca attcatgtag ctcttatttc atagtaatat gtatctgtat tatgcctagg 300
 catctaggaa atttagattt aactgtctta ttgtattttg tgattttgtc tagactcatt 360
 catgattagg ttaaataatt ntttgtcacc accagctntt caacaaggtg agaaaaaaga 420
 atctcacctg aagtt 435

<210> 26602
 <211> 368
 <212> DNA
 <213> Glycine max
 <400> 26602

agctttttaa tattattatg ttttacgtaa ttattttttt agtcccgaaa aaaactattg 60
 ttattaatcc ctcaatttgt ggcgatttgt caagtcaaaa atatttttta atggaatttc 120
 tctaaagata attagttggc tattttaaata agtcgtaata tgtaaaagat tacgataatt 180
 ctatatcaat tatgtatttt tcttctttta accaatagat atgtaaaaaa tgattatcaa 240
 accattcgag tcaaatattt tagtggatta gaatcgctaa aaatcatttt taaaaaaatt 300
 tatgataatg gtgatgggta aaaatcatta taaatcgatg aactataaat aaattatata 360
 aagagaga 368

<223> unsure at all n locations
<400> 26605

tagtcccata tccaattaca catacattac tcaacttagt ccataatttc atatggccca 60
tatgatttta ccttatgttt atttgttaga atcagtaacc ctaatcctta aaagcctaaa 120
accctagggg gagtattagt ttgcgacatt gttagtctag cctctcattt cttgtcaact 180
ttgccttcag gatccatctc ctccatgctt gatgtttatg cttgttggtta tcgtgggtgc 240
atgttcaaac cctaaggcaa gtgcgagttt gtgtcattgt tgggtcttgcc tcttgagtct 300
catttccttc ttcttcgtct cctccactct tttgattact ttcccagtca atctctagta 360
tgtatgtgtg catatatatt tcattntctt tganagatcc taatacccct atttgaagcg 420
tatt 424

<210> 26606
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26606

ttgcatgcaa gtttgagatg angaagtgtt gaagggtgaa acttcctgct tttattggtg 60
accacagagt ggtacctgta gatatgtcgc gggggtcagg agaccttggg gacgtcaagt 120
ggggtgctat tgcccaaac caagctgtga ccaatcccgga cccaaccgg gcataatcag 180
tcagtgagaa cctgtgatgt accaaaacat gcgagctcct ggcagtcaac agatcttagg 240
aacaagacc acaaagcaag gatgcttggt gtggctggcc agctgtgaat cttgtgtgat 300
atgtggatta tggcctctgg taatcgatta ccaagggtgg gtaatcgatt acaaggctta 360
aaaat 365

<210> 26607
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26607

tgggaggatt gatgnggacc cgggtgttgag agaaatgang atatgagcta cgtgggagta 60
tgtgagctca gttggagggt ggcaacaggg gatgggtgggt ttatgcgcgc attgtggatg 120

tggaaaactt gttgtgcacc atcgcccgac cgccacctag taccacatgt gatgagtacc 180
 ccataatcct acaagcttga gatgaggaag tgttgaaggg tgaaacttcc tgcttttatt 240
 gttgaccaca gagtgggtacc tggagatatg tcgcgagggt caggagacct ttgggacgtc 300
 aggtggtgtg ctattgcccc aaaccaagct tgaccaatcc cgaccaacc cgggcatagt 360
 cggtcagtga gaacctgtga tgtaccta 388

<210> 26608
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26608

ntcagcactc attgatagat gaaaatgagc gaatctaagc tacttttatac tggacatcca 60
 cttgtatagt tataggatga ttatattaag cggaatatca tagtcaagtt aggagttgag 120
 agaataataa tctgaatatt cagaataaaa gacaatataa ttgttgattc cagaaaatgt 180
 gctgccccctt ttaagctgta aagcatgcac aatttttagg tgttggagtg tcacacaacc 240
 cactccaaca atgacacttc cttaaaaatt caattaaaaa ttatttgta ctgtgatgga 300
 tatacttata ttaagtagac acgtaagtga ttggatattc aacgaccct agctagtatt 360
 ataaaaaat cacatttcta gtattataac ataatcacat gtttaaa 407

<210> 26609
 <211> 348
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26609

agttttggag aaccaagcca atcagaatgc tagacgaaat atagatggga atagaggtaa 60
 caatggcggg aatgacggac cgaggcagaa ccgggttgag ggagtaaagc tcaatgttcc 120
 tcccttcaaa ggtagaagtg atccagatgc ctacctgcaa tgactacact gatgcgaga 180
 aagtcaagct agcagcagct gaattctccg actatgccct tgtttggtgg cataaatacc 240
 aaagagaaat gttgagagag gaacagtgag aggtagatac atggactgag atgaaaaggg 300
 tgatgagana aaggtatgtg ccactagct ataacagaac catgcgac 348

<210> 26610
 <211> 239
 <212> DNA
 <213> Glycine max

<400> 26610

tatgacagtc accgctttaa gagcgctgta caccattagc gcttcgaggc catcaaagga 60
 tggtcgtttc gacgggagcg acgcgttcaa ctcaaggacg acgagtatac tgatttccag 120
 gaggagatat ggcaccggcg gtggacatca ctggttacct tcatggccaa gttcgatcca 180
 gaaatatgcc tttgagttta tgccaatgct tggcaacaga ggaaggcgtg cgtgacatg 239

<210> 26611
 <211> 370
 <212> DNA
 <213> Glycine max

<400> 26611

agtttaatga actaattatt tacttttttaa agtgcttaat ttggctaaaa tgcataatgt 60
 acattgcttc actatgttca agtaaaaaat gattccaaac gtttactgca tatttgataa 120
 aagaccattc tactggaaaa tcccttgaaa aaattgtctc aacatagctt tggaactccc 180
 atgcataatt tacactgctt cactttatct tgctttttca aaatcagaaa aaaaaaatat 240
 ttatacata atgctaccct tgagtacaaa gatataaata cacattatta ttttcacaat 300
 attggagaag ataaccatgc aattgacatg ttttgttcaa agctatatgc gtagtgtgaa 360
 caatgaccat 370

<210> 26612
 <211> 421
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26612

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 ttttaccctc taattaatat ttctttatga tattgtggaa cagatacgaa ctaatcatct 120
 aagtgttctc tgtcattaca agcgggaatt actaaaaggt tgtctgaaca tacgagggca 180

tggacaggtt cactttttta cttccctcat tcattaatac caaccattt atttttagttg 240
 agtttttttcg tagattacac ttcgtagctt ttcattggcta ctttntaata caccttatct 300
 agttataaat tggaggacaa aaatattatg gttaactaca ttcttccttc cacagaagca 360
 ttactctaatt ctcaagaagct ttaaaattgc tatttgagac atggattggt aatatcaagc 420
 a 421

<210> 26613
 <211> 371
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26613

atcttactac ccacctcatg acctctgagt tttctgagca tatctagaag catgccagtg 60
 agaggagtgg ccaaagaatt tttctttttg gtcatactct tatgggcttc cttataaac 120
 tcaagtgggt ttgcatattt ggagtcacta agctctggaa ttgaaacatg caaaaaggca 180
 tattgattcc cccatgcaga acgactattg gtcttctcaa tcatctcctt aacagacttg 240
 taaccttcaa tgtttcttgt gttcagcaac accaatgctg tggattgngt ttggcttgat 300
 ttcagattaa tttcttgcatt gtatagccga atgccaaaaa aaattactcc agctagcaca 360
 tcatttatgc t 371

<210> 26614
 <211> 420
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26614

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 tattggaaac cgcaagagtc gaatgggaag aactcttggt gtctatcatg gcggtgagaa 120
 gaagaagaaa tatgagagat gaaggggaat tgcgatttat cttgcagaat gaagaaggag 180
 gatcgtagtt gccctagaaa cctaatacca taaaagaata ctttcccta tggatttcat 240
 tctactgactt ggaatatatg caatgtacca ggtgtagtct taggacacta ggaaactact 300
 gatattggaa actcggaaac taataatata aggcataatat ttcggaagct aattatatgc 360

tcaacagact aaatatatgc ttacctaaaa tacaataaca caatatattc acatatatct 420

<210> 26615
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 26615

atcttgtctc gcggttatgg tagagaatga agcccaatct aaccttcgcg attttatttg 60
 aggcaaccat gattttaagc ttgttccttg gtagtttaag cttatctttg catcttttat 120
 gactttggaa tcaccattgt atgtttttac gcttcctttg gaaaacctta gagaaagaga 180
 ctttgtaa at gttatctttt tctaaaatag gtgttatttt cgtgaccttc attgaacccc 240
 gatcacattg gcatgatcag aattttaaaa tgatgttcct tttgtagaat ccaaaacgcc 300
 cttagccttt tcatgtagtg acatgagtat ttaactcgga gtattgttgc taac 354

<210> 26616
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26616

ntcaagaatc aagatcctga ttcaagactc aagatttttg aatcaagaga agacttaatc 60
 aagataagta tgaaaagggt ctttttttca aaaactgagt agcagatgga tttttctcan 120
 aaacatgttt accaaagagc ttttactctc tggtaatcga ttaccagatt gttgtaatca 180
 attaccagta gcaaaaatgaa tttgaaaaag ttttcaaatg aatttacaat gttccaattg 240
 atttcaaaaa gttgtaatcg attacaatgt tttggtaatc gattaccagt gcctttgaat 300
 gttgaaatta aaactcaa at gtgaagagtc acatcctttc acataaaagc ttcgtgta at 360
 cgattacact tat ttt 375

<210> 26617
 <211> 354
 <212> DNA
 <213> Glycine max

<400> 26617

ctttccttag atacttacct gttgcggtac gaagaccgac gaaaaacgac tgcacaacgt 60

ccaggaacgg tcggattcct tcgcgaatac gctcacggag acgttatagg aaccttacgg 120
aagcgccgta gctaggattg ccatcacaga aacaagtttt cgtcgcggat tcttcacaca 180
gagtcgagcc taacgggctg aaccctttga cacttacttg tatccctatc tatagaaaat 240
cgtgggagaa gcttgtctcc cagctcgccc agccgagcaa ggctgcttcc tccataacca 300
tcagccttcg ggatgaatct tacggacggg ccaagtgggg ctggccgctc tatg 354

<210> 26618
<211> 411
<212> DNA
<213> Glycine max
<400> 26618

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ggatgatagac taccaaatca ttgcaatcga tttcaacatt ttgaaatcac ttggaacggt 120
gtacatttag gtgagagcgt tttgaaaaca attttgctac tcgtaatcga tgacgataat 180
ctggatgatc attaccagag ggtataaaact ctttcggaaa aggttttgag aaaaattcat 240
gtgctactca ggctttgaaa gaactatcta atacttatct tgattgagtc ttctcttgac 300
tcttgaatct gagagtcttg aagattgata ttgattctag gaacctggat cttgaaactt 360
gaatcttgat tcttgatata acatctcctt tgaaccttgc agtgggtcttg a 411

<210> 26619
<211> 384
<212> DNA
<213> Glycine max
<400> 26619

agcttaccca ttcagtttta gggtttttat gatgatgctt ttgatgttgg tgtgctgaaa 60
ttgcttatgg aaaactgcta gggatgaagg gtagagttaa cctaggggta gaaagtgaga 120
atatggtggt atgagtggga aaagagtgag ttttttttag agttggaagg ccaaactctg 180
atttagtggt atttgagggt taaagtgagt taatcctagt ttgaaatgtc atttaggact 240
tatgaggaag cttgggctgt gcaagagaga aaaacaaatg accaaagtga acaaagagac 300
atttctaggg taaaatttgg tgttgaggag tcaaattttg attcgggtgga attttaggtg 360
taaatacagt ttgagcaagt ttaa 384

<210> 26620
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 26620

tctacttata tggcagggcg ggcttccttc actttcttgt ctccaacgcg agctttgacc 60
 accgctcttc cttcccgcca tgcttctctt tatatccgct tgagtgggtt tatagcctaa 120
 accatatttc ccacgatttc ctttggcatt tatcaagcta gttatgccac cgttgtcttt 180
 gcctaaaccc attccgggtt cataaccgtt cccaacata acacgggcca tcattactgc 240
 tgcacgggat aggcaagctt gccagagaa ggagtccacg gaggaatgc ttaccacctc 300
 aaaagactgg aaagcgggtt ctagtgactc ctctgcggcc tccacataag gcatagagga 360
 tgggcagctc accaagatgt cttctcgcc tgacacgatg accaaatgac ccttcactac 420
 gaatttcaac t 431

<210> 26621
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 26621

agcttgtgaa atccttttca agcaaagatc cacaagggat gtaccctccc ttgttctctt 60
 tgaacaacca agtggatgta cctccactt gaactgatgc acatgagatg taccctctct 120
 tgttctcagt attacaaccc aagtagatgt accctctact tgtatcacia agaatgtacc 180
 ctccaatgtg ttaagacaaa gaattcttaa gcggttagtc ccttgaatct ttgtaagggg 240
 aaacaaaaga tatctcaggc ggtagtcct ttgaaatctt ttgtttaaag ggaagaggaa 300
 gaatcaaaag aattctcagg tggtagtcc tttgaatctc tcggcaagag ggagaaggaa 360
 gaatcaaaag agttatc 377

<210> 26622
 <211> 432
 <212> DNA
 <213> Glycine max

<400> 26622

tgcacaacaa gtaactgaat ctgtttttgg tactatttga agtaactaac taactaactt 60
ccactaatat ataaagttaa tactcagaag gatgggatgg gccttgatta ggcccatcta 120
atcttcttta ttaaactgat tacacaaagc aaggcccaaa ttcgtagccc aattactcaa 180
gtgcgagggt tctgacttcc aagcccaatt tgaccctcaa aatggaagaa ttggaccaag 240
cttattttgtg acaacattga agatattggt tcttatcttt caagggacta cccactctcc 300
atttgagtc ctttagtgtc ctataggccc tgcacaagac agatagatca agtaagcaca 360
aaaatttgaa aataagccac aattatcaat taagctcaat catttgcta agatcaaaac 420
taaattaaag tg 432

<210> 26623
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26623

atcttttaat tnttttcttc ttcccaattt tttcttcatt attttatttt accattttat 60
ttaattaaaa aaatctctta tcttttttgc tgttgaaaa aactttatat ctaatttttt 120
gtaatcatgc aactaagaga catacaaatt aaagttattg ttatacaaat aaaaaatggt 180
tgtttaagaa aaaaatttaa aaatatactt tttttttaa atagtattat taataaagta 240
tgtgttagaa aatggtttta aataatataa ttctaataaa gcttatttaa ttttaatttca 300
ccattttttt ataataaat ttagcttcat tatctaaact tatgttattg gatactctgt 360
aaatttttgt aataaatatt t 381

<210> 26624
<211> 434
<212> DNA
<213> Glycine max

<400> 26624

tcagcaactt aattaccaca taagctccaa tggatgtaca gataatgtgg acacttgaaa 60
ctgatagggg aaacttgaaa tccaatttct gtaacaaaaa aaaaaatggt agtgtttgct 120
atataatcca tacaagttta taatatgat aattgatgat tgagtaacaa aggtgagtaa 180

gaatgaatgc taaatacaca gatatggatt gtgcaataag ttgtaaagat tgtcagatat 240
 tttcttcatt atagatggaa cacaaacata gaagatctaa acaatctgga gatcacatc 300
 atttactcca cataaaaaag aaaaaaaaaa atctacacat caatgtcatc actcatcatg 360
 aaatgaatat ttaaaaatta ctcccttcca aatggagttc tgagaaccag ggataaaacc 420
 taagataacc atca 434

<210> 26625
 <211> 309
 <212> DNA
 <213> Glycine max
 <400> 26625

agtttatgca ataacttata tttatccctt aacaagggca aaaggacttt gattgagact 60
 tgcgaccta agaaaacaag ctcttttatt tcaactcgac cttacccttt atgctatggg 120
 aatagagata agtactaggc gtaaaccctt gcatttagac cacgatgggc ttgtttaccc 180
 tatacgatat taactgcttt aaatatggga cgatgagtta ctaaattttg ttttataagt 240
 agcactcatt ttgtgagttt agatatgaca tgcgaagacc tataggtagt agaacctgct 300
 gttctaccc 309

<210> 26626
 <211> 431
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26626

agatgtgaga cagcgcggaa gaggcagctt accttttatg ttaggtgacc acagagnggc 60
 acctggagat atgtcgcggg gatcaggaga ccttggggac gttcagtggtg gtgctattgc 120
 ccataacca acttggctaa tcccgacca acctgagcat agtcagtcag tgagaaccta 180
 tgacgtacct atacaggcga gctgctgaca gtcaaccaat aaaagaacaa agtccacana 240
 gcacggaggc ttgtgtggcg gctggccagc tatgcatttt gagtggtatc tagaaattag 300
 cctctggtaa tcgagtacca ttcgtgggta atcgattaca aggcttcaaa gatggagaca 360
 tgatgttaaa tggcctatgg taatcgatta ccaagggtgt gtaatcgatt acacagggtg 420
 acagggcact g 431

<210> 26627
 <211> 465
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26627

gagtcattga accctgggta gatcccctag aancaccagg ggccaattag agctcggcac 60
 cgcgagactc tatagaggac atgcgtgcgc gcgctctttt atttcaagag cttgagtcgg 120
 agatgcgtga tcggaacatc tcgcagcacc tcgcggatag aaacccgaaa ggattgagcg 180
 tgcggccgaa gacttatctg cttgggataa tacacacaga tgaccgttgg tacatggagg 240
 atagtagctc tgaatgcgcc ccaactccttg aggtacatag attgcgaatg cttagggagc 300
 attggtgttt ccaaccttgt cctctaaagc acagactgct aaaatgaaca gtgaggccag 360
 gcattacact gatgaggacc ggtattggcg ggagctgagc atggactatg gtatgctgag 420
 acgaagccac accatgagat tgacctggcg cgcaattttg gcatn 465

<210> 26628
 <211> 429
 <212> DNA
 <213> Glycine max

<400> 26628

ctagctataa ctgaaacact aagtaagttg ccaactcaat tgtatgctag tctatcttta 60
 catggaatga atgttaaatt tgctataact tcaggcaaatt aggagctatt ctgaagaagt 120
 gccaaaggag tcatcgctgt aagcgagctc attgcactta gcacgcattc acagctaagc 180
 ccagcaccag cacgcttagc gagtaaaggg aaatcacgaa agacatctgc tacgcaagca 240
 cgtgcttagc gcgttatcag ctactaagc gagttgcctg tcaattttcca ggcttagcgc 300
 gagattggtg ctaagctcaa attcacttac tcgcgctaag cacgagaatg gcgctaagca 360
 cgatcaagat caggaagccc ttattaagcc tgatttgcac agagggagca aggagaacta 420
 ttcactacc 429

<210> 26629
 <211> 360
 <212> DNA

<213> Glycine max

<400> 26629

tttgcattgca agttttctttg ttagacctcg atcgggtcatc tttccaggcc gaggtcgacc 60
agcattttttt tcgatccatt tcggggaata atattttctt gccgagatgg gcaaaatgcc 120
attttcggcc gaataaatgg gaaaatgcc ttttctgccg aaacgaaaag tcggttgggc 180
tcgcacaaaa aaacctagcc gacctacatt ttaaattttt tatgcaacac ctaaacaaga 240
taacttgctg tgccgtacaa aaaaaacatt acatgacagc gagcgttttg aaaaacataa 300
ttgcgcaacg tcggctgaaa aatatcagtc gtggcttttt caccgacgat gtctgctatt 360

<210> 26630

<211> 395

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26630

ccggatggac gccgcatcga acattttgct aaccgttgct atgcttaacn cgcgccaggga 60
ttgaattgaa aactcgctat gcgacatctg tcgtgaagta tcgaccgata tttttcagcc 120
gacattgcac aattcttttt agaaaagctc gctggctgat aatggctctt ttacggcaga 180
gcaagtcttc ttgttttggg gtgcataca aaagttacaa tgtacttcgg gtaggttttt 240
cttgcgagtt caaccgacat tatgtttccg ccaaggaaac attatcccac ctctgcgaaa 300
gaaatattgg ctaaccgact tcatgcgtat ttcattcaac gagtgaatag aaaactcaat 360
agccgacaac ggtcgtgaaa tagtcccgcac tgata 395

<210> 26631

<211> 340

<212> DNA

<213> Glycine max

<400> 26631

ttgcatgcaa gttttgccag ataaagagtc caccgaagaa atgcttacca cctccaaaga 60
ctggagagcg gcttctaattg actcctttac ggctttcaca taatgcataa acgatgggca 120
gtcaccaag atgtcttctt cgctgatac gatgaccaga tgcccttcca ctacgaattt 180
caacttttgg tggagtgtcc agggaaacaac tcccactgag tggatccacg ggccccccaa 240

cagaaaactg ataggggggc ttatatccat tatttcgaaa gttacttgac aggtgtgagg 300
gcctatctgt actgggagat cgatctctcc tcttacctct 340

<210> 26632
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26632

actcagctta ttctacacct gaagagaaga tttgaagntg tttacncagt ttaagcttcc 60
taacaaaaat tttcatgcag gtggaccttc ttctagtaat catgacttac cgcagcctgc 120
tatccctctt ctattcccac ctatagcaat tctcaacaaa caaatggaac aagcggaaaa 180
ggagatcttg gagaccttaa aaaagtagat gtgagcatat ctctactaga tgccatcaag 240
cagattccga gatatgccaa gtattttaaag gagttgtgca cccacgaaag gaagctcaga 300
ggcccaacaa tcagcattga taggtaaatc tgttcctcac attcttgaga aatgtaacga 360
cccacgtact ttctggctac cttgcattat tgcgaacagt atattagaga atgccatgct 420
agatct 426

<210> 26633
<211> 371
<212> DNA
<213> Glycine max

<400> 26633

agtttcaata tcttccatgc tgggggaacc agacctatag gtagaactca acaattaagc 60
cagccatcca ctataatagc aagttcaaca acagattaag cgtaaagga atattaattc 120
gagccacaaa ttgcattgtg tgaacaaga aaaggtatgc aataagggaa ttgtctagaa 180
tgacattatg attaaaacta tttaatggaa ctccattctt tctagcaacc atgtgaggac 240
cctgatattg atgccaatat agtatggttg ccaaaatata taaacatttg cttgttccat 300
ttgttaggtg aacaatttca tatataatgt atattctcaa ttgcaagtag taagattagg 360
tctcaatcaa t 371

<210> 26634

<211> 427
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26634

tactccacaa tgttctccan aaatgttttt ggaacttggt atccctatca cttattatgc 60
 tcatgcacag tccatagagt gtcaccacct ccttgtaaaa taagtcagcg acatggaaag 120
 catcatcaac ctttttgcaa ggtataaaat gagtcatttt tgaaaacttg tcaataacca 180
 caaaaacaaa atctttgcca ctctttgttc taggcaatcc caaaacaaag ttcatagata 240
 tgtcaatcca aggaaaatta ggaacaagca aaggatgata taaattaagt ggcttcactt 300
 ttgattnttc ctttttacia acaatgcatt gttcatagta tttatgcaca tcacgtttca 360
 tatggggata ataaaatgct catgcaatgt ttcttaagtc ttttgcattg caaatgccc 420
 catcaaa 427

<210> 26635
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26635

agctttataa gcgcgggtct gggagacaaa ggtcaagtgg tcgcgatatg cgaagatgat 60
 gttccgagta cattggattt ggtacgacca tgccctcctg atttccagct gggaaattgg 120
 cgagtggagg aacgccccgg catttacgca atgagcataa tgtaaacctt tacggttttt 180
 aaaagctcta tagttgggcc taggcttttag agtttttctt tttgttaagg ctttgtgtct 240
 tttgtttttg aattttcta acgaggacct ttcttcatct gttcctgcgt ctctacccat 300
 tctcattcat ttgcatgttc acttctttnt ttgaaacggc agatccgatg acgagtcctc 360
 cg 362

<210> 26636
 <211> 409
 <212> DNA
 <213> Glycine max

<400> 26636

tgagatgagg aagtgttgaa ggggtgttact tcctgttttt attgttgacc acagagtggg 60
 acctggagat atgtcgtggg ggtcaggaga ccttggggac gtcagggtggg gtgctattgc 120
 ccaaaaccaa gcttgaccaa tcccgaacca acccgggcat agtcggtcag tgagaacctg 180
 tgatgtacct aaacaggcga gctcctggca gtcaacagat aaaaggaaca aagaccacaa 240
 agcaaggagg cttgtgggtg ctggccagct gtgaattttg tgtaatatgt ggattatggc 300
 ctctggtaat cgattaccaa gggtaggtaa tcgattacaa ggcttaaaat tgaagacagg 360
 aggctaagat ggtctctggg aatcgattac caaggggtgt aatcgatta 409

<210> 26637
 <211> 359
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26637

agcnataaga gaaaaatttg ttgaagatgt tgaactagtt aagattgagt taattcaact 60
 tgggatttgg gcttggtagt tggttgtttt tcaaaaataa aggtttcagc tggatcaggt 120
 tgttgaaagc atttcaaaat gacctgagaa attgttgaag cccatgttta gctgtacgaa 180
 gtttgataac tcaaatagga acgttttgat ttccttgctc aacaagttct agcttttgta 240
 ggtaaagggt gcagagggtc acacgcgagg acaaatttga aaggaaaaac cccgtcaaag 300
 tgttcgaatg aagattcatg atgaatagcc gggtcagatt ctcaaataatt ttagtgatg 359

<210> 26638
 <211> 417
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26638

tatgacttag ggtacacatg tctcccaaac tccgatttta atatgaacga gagagattaa 60
 tgtatttgtt gaatatacat aaagcttatg acttgaagg tacatcacta atcttaaaaa 120
 ttaaaaaataa atatagttag acacctaaat gctattttac acctagttaa agagaaaaaa 180
 aagaaaaaaa tatcatatgt aatatataat gtgatagtaa gagagataaa aaatgagaga 240
 taatgcggta catccttctc ttttattaaa catgtctata tattttataa taatttttaa 300

agttcaattt ttatgtatta ctattattat tttatattat cattcaatta taaattatca 360
 tttanattat tntaaaataa ttatttttaa agtcaataaa tntatcatat cataaat 417

<210> 26639
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 26639

agcttcgtca gcataaaatg gaggtaagac ccttaatcta ggagtaacta agatgacaat 60
 gcttcaccta cttttaagat ttgaagaaca ctgtgcaaga catgacagaa tctgtgggaa 120
 cagatattag ttcattaggg aacttcaaga aattcaatgg ataactaact aattacaact 180
 gtattccgta aatgacaaca ttgaaaagga cttgcagcag gcatggcata ttttcaactt 240
 caaaatatga acctgacttt acattactct ttttaagcaag tggcttacag tagtatcata 300
 taataacttg tgcatataac tcatctaaga aggatgctaa tggctttctt ttcaca 356

<210> 26640
 <211> 399
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26640

ntntggagta gaaacatgtg accaactcat tgtattttta aaagaaagtc gtatctagtc 60
 aaggctctgag agaccatata agtttcttaa cgatttctaa ttatgtgggc cattaagtct 120
 atcatatgct gacaatagcc gagaagccca tgaatctctt cgggggcgga gtatgtgtct 180
 gccatgcct tggccttggc taacaagcgg ngaagttctt gactcccgtt caaggtaaga 240
 gcaaaccgat ccattcacat gggtgcctct tgggtgtaaag agtcgatcac ccttctctta 300
 gcctgttttt ctgcatatac ttgagcatatc tcgtncgca ttctatgctc gtgggtcgtg 360
 gctagacctt actcttcttg gtacttggcg atgatagct 399

<210> 26641
 <211> 285
 <212> DNA
 <213> Glycine max

<400> 26641

acccagtccc cctcatthaag aactagetcc tttcttctctc tattgccctt agttaaatac 60
 acctttgctt ggatctctat ttgggtctta accctctcat gcaacttctt tacaaactct 120
 gacctagatt ccccttcttt atgtataaaa gaagtgtcaa gagggatggg aatgaggtct 180
 accggtgtta agggattgaa cccatagaca acctcaaaag gggattgctt ggtgggttcta 240
 tgaaccctc tattgttaggc aaattctaca tgaggaagat actca 285

<210> 26642
 <211> 268
 <212> DNA
 <213> Glycine max

<400> 26642

agcgagtgga attattatat catgaaacgc ttcagcttgt acatggctgc tgtgccagtt 60
 acatacagcc actatactac tttaaagttg ttactgatgc acacctaatt aaagacctat 120
 ataaacatat taattacctt atctagataa tgactggatc tagcgattag ctcaacacag 180
 atcatacata gaactccgct ctgtcattct tgacgatgtg tcccttccca ttattatgcc 240
 cacaaacaaa atcttagtta taaagaat 268

<210> 26643
 <211> 436
 <212> DNA
 <213> Glycine max

<400> 26643

tctatggatt cgccagtggc actgacgttt tccttgtcac gtgggatatg ccctgcaaac 60
 ccaccattgc taatggcggc ttgctaagag ccccatgcaa ttacgtaaa aaacaactcc 120
 ccttgtaaaa tttttgaaaa cgacccattc tggaaaaata ttttataaaa ataccctatc 180
 tggggaaatt tgcctatcaa cgctattggc aaagctgttt ggttcccttt tgagggagtg 240
 acaaattgct gcctttcatt ttgaatcacc ataaaaaaag actttattaa tagtagtaag 300
 attcttcata aggaggactt gtgaacaaca acagtgtata tatatatact tcttggacca 360
 gtttcttata tatatccctt tctttcgtat tgtatatatt ttttttctaa gtcacacatt 420
 ataagtatct ttcaat 436

<210> 26644
 <211> 384
 <212> DNA
 <213> Glycine max

<400> 26644

agcttgaacc aaaatctgtg agagtgcct taaactgtga gtgaatgatt agctatgagt 60
 aataatcttt gcatgaatct ctgagaattg catcctttgc ttaccttgaa tgagaattgc 120
 gtcctttgct ccctgtataa gctgaatgat tttgtcatga attgaaccct gaacttaaata 180
 aattatctcc tgatatcttg tttagattct aggagagcat atgggttcaag gcaaatttac 240
 tctaaatttg ggggagggaa gtcaattaga atgaaaagaa aaagggttaag catcagcaca 300
 cacaacaaat aagttgtata ttaaaaaaaaa aagaataaag tatgctaata taacaaggtc 360
 aaaagaaaat gaaagtaaaa agct 384

<210> 26645
 <211> 437
 <212> DNA
 <213> Glycine max

<400> 26645

tactctagct agttaagttt cttcctgtcg atcaaagaag aatatgttgt gtttgcttca 60
 acaagtagat atcttatggt gaggtcttg gagagcttgc attaactgaa ggttgtcatt 120
 aagtccatgt agtctttggt ctctacttca tcacctgcaa agccgaggag tggaccggcg 180
 tgagggtgga cagtgtcgag ggagacctca agtctctaga aagttttcta atacaggata 240
 tcaatggaac ttccctggtc gatgaggaca ttggacacga tgaagtttgc aatgatgatg 300
 gagacaacca caaggtcatt ctggttcatg gggttgatac cttgaagtc cctatctgtg 360
 aaagtgataa gagggagact ctgcagcaat ggtgcattga caaaattaat gttgatgtcc 420
 cgaatggcat gaagatg 437

<210> 26646
 <211> 383
 <212> DNA
 <213> Glycine max

<400> 26646

agcttcttat ccaaggctca tcttggtggt gaagctcctt cttccatggc ttattcctta 60

atggatggcg cctcctctca cctcttttcc tttgtcttcc gctgcatctc catggtggaa 120
aatcacaatt aaaggacccc attgaagctc aaagatccag cctcgataga agtcccacaa 180
gcaagtttcc atcaagtggg atcagagcac aagagcttca agtaggtgct ccttaaacct 240
ccattaatth ttttgcttta ccttctcttc cattgttggt tcttcatttt ttctccatgt 300
atctcctcat atgtcttggt ctaaagtgtg ttaacatgat tctttagagt ttccaccgat 360
taaacttggt atagaagcta gat 383

<210> 26647
<211> 429
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26647

tgatctagtg taaaattaac tttccctaaa agatattaca aacacttgct cagatgatta 60
ccgaatttgt aagaacaaca actaagtcac ctgaaagta ctcaaacaga taatagtgc 120
ctatagcttc cctcagagac agaggccatg aaaccttcac cctttcttcc aaaattcagt 180
gaaaaatcag cattcaaaag tgaaaacttt tggcatggta aaggacatta aaatgttaaa 240
aaaattaatt ggtgaaggaa gaacaaacct cactagtgat aattgttccc caatccgggc 300
cttttgcaaa cattcagctg ataagatttt gaaagtggga atagtagatt gaggccacct 360
aaatggaaat tgaaaaaagg gtgtcaggta caattatcag acactntntt acaatgatat 420
attgcttag 429

<210> 26648
<211> 377
<212> DNA
<213> Glycine max
<400> 26648

agctttgtaa atcgtattat aaaatttgat ggatttttta cctgataaat taagagttca 60
atttctatac acttacaagt gtattagtgt aaaaagttht atctgtcaac taaaagtaat 120
catgattatt aagacagata tttaaaagggt taaccaattt ttgaattgaa atagtagcgt 180
taaaagtgta aatcaaggat ctagagaaag acttttaaca aatcacagtt tcagtgattg 240

aatttggttat ctgcaaagaa tgaacggaaa aaaagactta ttaataatga tctggcttca 300
 ttcaaggga aagcgggtgct gatatgggta gcagaactat atatccaccg gaagggtaga 360
 agtttctata aatgatt 377

<210> 26649
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26649

agggagttga aaatactcac ataaactctg acatcttattc tattattggt tctaaataaa 60
 acactctaata atgtcaaata ttgttttcaa attatcaggt acctacacat taggctatcg 120
 attaagtaaa agattattga tatcggaataa tttcattact atntagtaca tgtgaggcta 180
 atagctagag gcacccaatt ttaacatatg acaaaaaaat caaggaataa aatcaaccaa 240
 ttaaaagtat gtggataaaa actgcatttg atcctgataa aaaataatta tatttaaaaa 300
 atttaagtct cttttaacaa attaaataat tacaaaaaat gaatttttat gttataattt 360
 attaaagaaa gcactaaaaa tatatgtata tacgaatcat taaaggatatg cttgaataaa 420
 cttatctata aata 434

<210> 26650
 <211> 361
 <212> DNA
 <213> Glycine max

<400> 26650

agcttgctga tttttaaaaa actgaagtat gaattcagaa gaggcaaaaa tactgactac 60
 aaaactagaa aacaagctca gaggaatgag accactaata tgaaaactta acatcagagc 120
 atggcaagga tatatgctta attttgaaaa gagataaagg actattttct aaaaaagata 180
 atcatggaga gaaaaatgtg aacctcacgt agtggccaaa aagatgatgc tgggtttatg 240
 tgttggtgaa gaacaccatc agatatgatt tcattctcca tagagccaag tagaaatgct 300
 tcaggctttt gcttgagggt atcaaaacaa aatgcgacat catatgtgaa gggacttaat 360
 t 361

<210> 26651
 <211> 413
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26651

nttctttctc aatcaatctg tctactatct aacaattcta attgcaagtt cacattcttg 60
 ttctttcttt gtctagcatg catacttggt caaactgatg aaaaggaaca caaactccat 120
 cacaatcatg cattcaatcc aaaatcaaac catacaccaa ttttcacaaa aagataaaaag 180
 tgttttactg ccatgtcatc aaaatcaagt caaactgttc catatgcttc agaataagca 240
 aaccaactat ccaaaaataa aactagcagt gtatataaac ataaaggaaa tactgtatta 300
 aaaccataat taaaataata ataaacaaaa aagaaaaaat tgatcatcagg aatcaacaat 360
 gtcaacaatg tctaaactgg ggaatcagtg agagcaacag cttctccaga tga 413

<210> 26652
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 26652

agttttggag caaaatttta agcaaatct aataactatc attttgatta tctgttttga 60
 aagcattatg gtagaacaaa attttataag cttcttttgc aacaactcag tatcatgatg 120
 gaagctcttc ttgatgaata cggttgggca cattggactt ggaccctcac aaatttttag 180
 gagacactgc taaactcagc tttatagatg tccaccttaa cctcatgttt atgtgctttt 240
 gtttgtgaat ttaggtctgc caaaggaacc aaaatggggt cacctaagag ctttgcatgc 300
 agctctgaaa ctttgccaga gatctttaca atggggagaa ttttagtaag gatttagagg 360
 gaggccttt 369

<210> 26653
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26653

tctcctataa gctnttgtgt accaattgca gatacttggt ctttgaatat actctaaaga 60

aagatgtact ggacttgtgg tcgtgttgct gttttgttcc ttgcgtcatt taacaaagac 120
 aaatgttctt tttttcttga gaaatgggac cggaggaaat tttattaaga ctggaaattg 180
 tatgggctaa agccattaca tcatgttcaa cttggtaaaa gttgattgga aaatcctcca 240
 tacaacaaaa atcatgaaaa gtgaaagctg atctatatca agcataacgc agtgatcttg 300
 cagtcttcca aaacaccatg aacatagctt ctatcgtctg caacctttcc accactttag 360
 acaataattt tgaaaccctt tt 382

<210> 26654
 <211> 356
 <212> DNA
 <213> Glycine max

<400> 26654

agctttagc cattacatta gaatgagcat gtgattggaa gtatgactga aaatgttagt 60
 cagtttgta gattgattgt gaaggaatgc attaatocta tcccggtag agtgtgatcc 120
 ttaaattttg agagaaatga ctatcattta gtactgattt ttgcgtgaat ctctgaagta 180
 tggattagat gcatgaaatt gaggatgatg aaggccatgt ttgattgtga tagtcactta 240
 gccaaaaagc taatcatgtg cttgaatgaa ttatcccttg taccgaattt gaattgaatg 300
 aattattgat tgattgaacc ctgagcccat acagtgttat ctctgctac cttgac 356

<210> 26655
 <211> 419
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26655

tgcttgtgga gcttctatgg aggetgtatc tttgatcnntt aatgttgtcc ttcaatgggg 60
 attgttcacc atggagatgc agcggaagac aaaggagaag aggtgagagg aggcgccatc 120
 cattaaggaa taagccatgg aaaaaagagc ttcaccacca agatgagcct tggataagaa 180
 gcttggagg atgcttcaat ggaggaaaag aaagaggag agaaagagag agggggggagc 240
 acgaaattga aggaagacaa agggagagaa gctgaacttt gattgtgtc tcacaagact 300
 ctcatcacc aaagttacca caagtgttac acatgcttct atttatagac tagctagctt 360

acttgagaag ctttcttgag agaacttctt tgagaagctt ctttgagaag acttccttg 419

<210> 26656
<211> 345
<212> DNA
<213> Glycine max

<400> 26656

tccttatgca tgcaatcttc tatataagct ggaccatttt atcaataaac acaagttgag 60
ttttattcag aaaattacag tttatctctt ttatcttagt gagagtgatt ctcttaaatt 120
cttgagtgat tcaagaacac cctggctgta ttaaaggaca ttcacaacct ttgcgtgttg 180
ccctcgctgg aaagagtgat tctttccttc ctttcatctt cacccttggt ctttcaaacc 240
acaattccag aaaatccacc tctgccaga attatctcgt ggccataact cccattttac 300
gcactcaaat taagtgatc ttgagcctag attgaatata aaaac 345

<210> 26657
<211> 147
<212> DNA
<213> Glycine max

<400> 26657

taatatactg agacgcacta aatcgaacaa cgttggttta tgacatacct gaatggccat 60
agcattgcac tctgatgctc gatccgggga catcattgat cgagacgctc tcaattgagc 120
aaccgatgct ctcgacaaat gacaatg 147

<210> 26658
<211> 369
<212> DNA
<213> Glycine max

<400> 26658

agcttgcttg caacctcttt tttaaccgga tgatattcat caagaggagg aagagatggg 60
catgtggcta taactaccac aactagagag acgacaaaac cttacttaga ttaaacaaca 120
cagattcata aagctggaat ctggaagtct aatctgtgac agataccatc aataagtgtt 180
tgggcgagcg atctaccctt gatgacgacg gtatggatac atcatcggat gaaaatgcac 240
tatgagctcg tactagacac agtagctaac ctcttatgca tacctgggtca cacctattag 300

gcgcgagcta ctggaaaagcc atggatgact gtgagagcta gcataaagac caccactcag 360
atgtgggaa 369

<210> 26659
<211> 417
<212> DNA
<213> Glycine max

<400> 26659

tgcttctaca atctccccct gtttgtttat gacaattttg aaatttagag acacatacac 60
attctttttg ctagtgcgac actcacttat ttatccatat tctccccctt tgtttttgag 120
tttaagcttc acttgaaatt aagtatttta attatatgag ttcttgattt aatccctatt 180
ttctctcccc ctttggcatc aacaaaaagc caaagtagct cagaaatata aaacttacat 240
aaatgattat aaagcataat atcaaatgta agcacatatc actagacata tatcatcaaa 300
ctaattagga ttaaaactca taacaattaa gagcaagtaa atataatcat gttcagatat 360
actaatcaaa taataaaaga aatactatat gttcaaatat cataaaaaca tatatca 417

<210> 26660
<211> 361
<212> DNA
<213> Glycine max

<400> 26660

agtttttact atgcataatc catatttatt gctgatcact gtatcacaat gataattttt 60
ttttccactt cccgtgctag acttttatta tgaaaatatt gttgtatatt tatcaatagt 120
gttaaaattc attatggaat gactgaaaat ttagtttaat tggataataa taatgtttta 180
gtattgacaa aaaaaaata cattaaataa aatatgaatt tgaaatatgc gccaaagggtg 240
agacttgta attgtatttc aaatgaaatc gttccaatta atttgaatgg tcatcgagaa 300
tcagaatgag acatactcat tattggcaat aaatgttgat tgacattgat gaatttgatt 360
t 361

<210> 26661
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26661

```
nttaagagcc gaagaactta aacaacattt ctagtttgga ttatgatcat tgttcctact   60
tattggtatg tttatgttta tttatcttag gattgctagt gctgttctga tcatgaggag  120
ctactcctcc tagtccgaag attattagat aacttttcat ttgtaccatt ctctcattt   180
taatgaaatt tctcattgat tttatttaaa ttagttctct tgcttttact gtttatttga  240
aaccaatcat ttttaacttt aatcaattgc ataatactaa tcatgtaatt ggtagatttt   300
ggtagagagt gttttatgtc aaattgcatg atcaaactct ttgggtaatc tccaatacat   360
tagttaatct nttaattaat tttcctataa ttgattttct tttgact                    407
```

<210> 26662
<211> 331
<212> DNA
<213> Glycine max

```
<400>        26662
agctgatcat gatctacatc taccatgata agcttgatgg aggggtgtcga gattataact   60
agttagttgt agacttgttt agtagtagct tggatatgag aatataaata ctttgtaaca  120
cacactatac aaatcaatca taatattttt ttcttctttc atcttcattc tatattattc   180
tctactctgt aactgagtcc taaccaactc aacagtttaa gtcaattttt aaaaaaatat   240
ataatgtttt tatgtgtttt attcccaaaa actcatttaa atatataatc aattgtatta   300
acttgatcta ttattactat attgttataa t                                     331
```

<210> 26663
<211> 414
<212> DNA
<213> Glycine max

```
<400>        26663
agacaagccg acttgcttta ctaacaatct ccacttttagc ccaacaatgg tgataataat   60
cctaggagtt gcattctatc acatcttcat atgcaggagag aagaagctcc atacattatt  120
gtatccacac tgtaatccat agcaactcca tctcgaccag tcttatatta taatctccga   180
atgatacttt attgggggtat ggggttaggac ttaaaataga gatgtgagct ctcgggttga  240
agacctatat aacggcacca agggaacttc tagggagtct ctcttcacga gaggataatc   300
```


<223> unsure at all n locations
<400> 26666

acacacgaca aaaaaaaaaa acaagaaaaa nnnaagaggt gactgaccga acccnaanag 60
gacggacaaa cagcagcagc attccaccaa cagcaggcaa aaccacaaca accaacacaa 120
gaaaagcgca aacaaaaaga accccgccga ccacaaagaa accccgacaa gaaacaacaa 180
aaagaaaaaa cacaaaaaaa acaaaaccca aaaacccaag accaaaaaca caagaaacaa 240
aaaaccgaaa aacaacccaa caaccaccac acaaacaaag c 281

<210> 26667
<211> 53
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26667

aaaaacaact gagcagacaa agatacacgc gcagcatgaa antaaaanna aaa 53

<210> 26668
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26668

gacccgngat actctaagtc acctgcagca agcaatttgt nccttttggt ttcaaacaaa 60
aggcgaaagc acttgcaata aagaaaaata tactctttat ctatctcctt tttattcttt 120
taagagtttg tgtccgcaa cattttttata atgtgcatta ttatcgtgaa tggtgacgaa 180
tcattaaaac aggctgaccg atggatgacc tttttaaaact tcatcatcat attatcaatt 240
cacgactttt ctagataata cttgaatatt caaca 275

<210> 26669
<211> 207
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26669

aacaaacaac acagcgcnat ttttaaaaaa aaaccctcc cacaaggagg ngaaaaaaca 60

caggaccgac accccaagac tgacaangca tgcttgctta ccttatttaa agaataataa 120
aaattgttta tataaacgtc agtcaatttg atcaaaccga aaatccaata ttatatgatt 180
tttgataata tgaatgttaa tgaaaaa 207

<210> 26670
<211> 376
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26670

agcttgacta ttttagttga tnttagcctt agtttcactt tagttattag tcaattcaat 60
taagaatgag aaatcccaaa gagaaaacgt ccgattgatt tttcgcttta ttttctaaca 120
cgcatttttt attattatat tattatttta cctctttttt gattttccaac gtatttacgg 180
cacgaccgaa cggtcggaat tcatttttaac cgaaattaac ggatgataca attcaaatga 240
tcggtggaaa tttattttat ttttagatta ggcgagaaat gacttaaata aatgactgaa 300
gcacgtcaaa aggggatata gaaagcgaat gataatgaga attataatac atgaaataaa 360
atgtggacca ccacgg 376

<210> 26671
<211> 388
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26671

gtggaactag cttagtcact tattgcaatg tagcatttct ttatcttctg ctatgaacct 60
gtttcatact tgctgcaatt caattagctc ataggtaag gatgtgcacg tttcttttagt 120
tgtacacatc atttagctta tttggtataa taggaaccaa gctaggtgtg aaagtggccc 180
ttttcagtat gagcacattg tocacaaagt tatctcaaaa gggatggatt aagtgaaca 240
ttgatgggtgc aacaaatagt tgtctggggc cttgagctaa caggggaatn tttcgtaatt 300
ctaggggtgc tcttttgggt tgtttctcgc actctttgga tatttcaatc gcttttcatg 360
ctgaattgca agtttcattt taactatt 388

<210> 26672
 <211> 382
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26672

agtctnnaat ttgtcattta gccaaaaaca atcaatgaca tatagctaata aattaggaga 60
 aaatgacaca aaaatgaaca atgaaataat gtatgcatta atatacctttc aaatctatca 120
 cacggctgag gacataggtc acttactcat gcattgtgat ttcaattgta aaaactcctt 180
 agctatacaa ttttaagaaaa ccaactttca atgaagaacg aatagaaata tatagtaagc 240
 ataacaaaag gaatgaggga gatttaacat agactaaaat caataaaaaat aatacgggtaa 300
 aaaaaggatt ctttcataag aaaaagaaga gatatacatga tcggaataaa ataaagacac 360
 ctacagaact tatctaagaa at 382

<210> 26673
 <211> 280
 <212> DNA
 <213> Glycine max

<400> 26673

aagaacctaa acgatcctaa ttatatgagc catcaaactc atcatgtgct gacagtgatt 60
 gattagccca tgatctcctc gggggcagta cacactttgg ccatggcctt tgctttggct 120
 aacagacgag ggaagacttg actttcattc aaggtaaggc gaacctatcc atccacatag 180
 tcgcttcttg atgcaacgca tcaatcacc tccctttagc ttcatttttg gcacacactt 240
 gggcaaagtc ctccacttac ttttgtcatg ggccatggac 280

<210> 26674
 <211> 452
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26674

ctganaatga ncttgtgact cgagcatcga agnnccnnag cnggaccgag gatccttaag 60
 acaacngcag tttgcaagtt tgtatcttgg naaagcggng acacacgtgc gaacttataa 120
 aaactcggaa agacataata cagcaagggg cctagttgac acatggaaaa aacgagttga 180

atctgatccg accctaacga tgctaggtct ggtcagttta aactgtcccc tggccaccct 240
 tacgacggat ttttgaaatg cacaaggcgg gaaaaatatt cagtgggtaa cgtgagtttc 300
 catgaatagc acattacaca gctttctgat acaatactgc ctctacagag atgatccaag 360
 ataaaataaa agatctacat ctgattctcc agggctctatg aaatacagga cttcacctgg 420
 actccttact gatatcataa agacggacac cg 452

<210> 26675
 <211> 435
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26675

gagctaaatt gaacttgaag acttgagana caggnaannn agncggaccc gggacacata 60
 ggaacaacgc agtttgcagt atagagaaac aaaaacgaag gaacgcgaga aaagagaggc 120
 caacaccccg acacgcacac naaaaggcga gcacgaagaa acagcgaaga aggaggggaa 180
 cgcccgaagg aaagacgaaa gagaagaggg gaagagccaa cggaggggaag aacaccagaa 240
 aagcatcgaa cacacacgaa aaagaagacg ggagaaagag cacgaggcag aaacggcggg 300
 accatagaga cgagagcgga gaccagagag gaaggagcag acgggcaaag gacacggcaa 360
 ccaggagaac accggacgcg aggacaacaa caggaacaag gggggaagga gaacggacga 420
 cgaggggaaa gacag 435

<210> 26676
 <211> 182
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26676

ttacgcatct gtgcggtatt tcacaccgca tatggtgcac tctcagtaca atctgctctg 60
 atgccgcata gttaagccag ccccgacacc cgccaacacc cgctgacgcg aaccccttgc 120
 ggnccgcatcg attataactt cgcttattgt atgctatacc gaaggattac cgataacctc 180
 gn 182

<210> 26677
 <211> 364
 <212> DNA
 <213> Glycine max

<400> 26677

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tttgcaagtt tgttcattcc gaagagaaaa aaaatagagt tgtcatagga taaaaatgaa 60
ttctttatag ttggagtaaa acgggaattg aataaattaa atgattaatt attgtttttt 120
cttgtaagaa ttaatgtctc atgtgatagg catatgacct atgtagagaa taataagtaa 180
ataattaacg attaagggct aaattgtaat tgggcttaat atgagaagta tctagagcta 240
actgctactt gatgggagta gtgattataa atgggggata ataccacta acgttaaata 300
aggtccccc cctgactaga aagtgtgctc tctcacctat agtcattacg aacggagaga 360
gaca 364
```

<210> 26678
 <211> 401
 <212> DNA
 <213> Glycine max

<400> 26678

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gtaaccataa aaacgaacac aaaggtcaaa cttacttata aggcaagaca aacaggctgt 60
gtgatcgta caaacataaa ggtcgcaact tcaaaatcgg acatagctac atttgtatgc 120
atcacaacaa tagaagtcca caacatcgga atcagacaaa ggtgactctt ttattttatc 180
gtccaaagcg atataaaaac caaaacgggg aaaaaatcga acaaagaagg gtcttgcacg 240
ggcaaagcgc cgtcagcctc agcacccgtc ttagcctgtc ccaaaaatca ccacataaaa 300
ttagacaaat aaagggaata aatagataaa aatggaacct ttattcttca ataccgttgg 360
tgaacatctc ttccgtatag gagaccgcaa ctttatatgt a 401
```

<210> 26679
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26679

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tttcaagttt taacctttta acaactaac taatatataa tttcaaattt taatgataaa 60
```

aatctaatac aacaacaatt aaactaatat aggttatatt gttactcatt taatatgaaa 120
 atatattaga tataaaatgt ttttcaaact aactaaataa aagagtggat gcatgtgtag 180
 gttaatagcc tataactaaa acctttataa cataacatctt gtttttctcg agaaaacatc 240
 tcacttggtt taagggtgtg ctacgtgtac caatcatatt acttgtgcac ccagcacaaa 300
 aaatttaatt tcgaaaatgc tcttatnngc tttttcttcc ctttaagttt cnttttttac 360
 aataacacag tcattctttc atttt 385

<210> 26680
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 26680
 tcagtctatt agtacagggt atgtgtgtgt gtttgtaat gttatgcgat tataagttta 60
 acagcgatca ttttgattgt catcatcatt ttccatagca gacctgatag aatggtataa 120
 tcaagccagg attgatcatg ttgatgaatg catatcccac attgcatttg ttctgcaatt 180
 aatgtcgatt ccatgtgaat aattaaacaa aaaggagaaa ggaataactaa agtaaattaa 240
 atttcatagt ggaaatgttc aataaaagga acacacatctt tcatgcaagc aaggatattt 300
 ttctacagaa caagttcaaa tgagaacgtt ttacaaaaaa agttgatgca ttttcttatt 360
 gtttgatttg t 371

<210> 26681
 <211> 369
 <212> DNA
 <213> Glycine max

<400> 26681
 agtctttag gattatgggg tacccatcac atgtggtact aggtggcggc cgggcgatgg 60
 tgcacaacaa gttttccaca tccacaatgc ggcataaac cccgcatccc ctgttgccca 120
 cctccatctg agctcacgta ctcccacgta gcccatatcc tcgtttctct caacaccggg 180
 tccccatcaa tcctctcaag cttccacaac atccaagcaa aacaacattc aaacagcaca 240
 agctatcaca gccaaacaaa acagggcaaa ggcagaaaac tctgccaaaa caccaaccaa 300
 atcacagett ttctactta aagaccccag taacaattct ttcgatccaa ttcgttaacc 360

gttggatcg

369

<210> 26682
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26682

ntgcagattt ggtcttcgcc agtgaatgga tcaatgtggg tccgaaaaaa ggcaaatttg 60
atcatcctac tangacgact gagaaaactg gggcaaataa agaggggtgag aaagaggag 120
aaacccatgt tgtgactgcc attcctgtac ggccaaattt cccaccaacc caacaatc 180
tttactcagc caataacaaa ctttctcctt acccaccacc cagttatcca caaaggccat 240
ccctaaatct accacaaagt ctgtctaccg cacttccaat gacgaacacc acctttagca 300
caaacaaaa acaccaacca agatagttaa ttttgcagcg agaaagcttg tagaattcac 360
ccaattcca gtgtcctatg ctgacttgct cccatatcta cttgataatt caatggtagc 420
cataacc 427

<210> 26683
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26683

agctttgaaa tatggtcttg aaactagaaa tggggcaaaa ttagaaaatg cacagactga 60
aaattcaa atgaagccaa ctgcatactt ggtgagtgc atggcaattt ctattgtcat 120
gattcaagca tgttcataaa atatataatt ataggaatgg agggagaaac tatattgatt 180
ttgactaaaa gtatatatcc aaaagattta atgtcataaa gcaactnttt tttattaaaa 240
tcgttgagaa actaattcaa acattgngaa ggaactcagt gacaatcata tcaatgaata 300
cactgataca gttcatatct gggtcctttg aaaccatggg cacacagagt aaaattgcat 360
caacaacaac tcgttaaata actacacaat 390

<210> 26684
<211> 390
<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26684

actaagctat aagggccact ctctgctgta atgtcccttt taatgagttg gttaaaggaa 60
tacttacgag ttaagacggt tcatattata aagtacaaat aactcaataa aaaaagtaac 120
ccaacagata tatgtcattt gtataacact catatcacgg atggctcgaa ccaactagtg 180
gaagattatg tcaacttaac aagaggtctt gaattccagt cctaagtata tatgcaattg 240
tgttaatgca gcctacaatg tgtttatctg atctcaaata aacataatt gtctactgtg 300
aaaaatacat gtaatctaac aaaaatacaa taaaatatcg gtttataaat gatagagtaa 360
accctcattt ttaagaactt atntgacatc 390

<210> 26685

<211> 382

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26685

agtcttaata ttcttatttc ttaaatggaa atctaaaata gcttaatgca aacaaggtga 60
aatgtcatga aatctgaaaa caaagcagtt agaacatagc caaaagaaag aaaaaagcct 120
agacaccccc ctacctcata cactnttctt cgatcatgaa gaaggtggtg tggctccagt 180
tcatttacta gaaagggcct ggaccacagt gcacagaatt tagatcaata aacattctca 240
ccaataact gaaagaaaac tatattaaat aaaataacaa cataacacaa ttgaaaaaaa 300
gcacaatgtg aagaaatggt ataaccagac atgaatagag gacagtgaan agagaaatat 360
atagagaatt tcaatcaaac ac 382

<210> 26686

<211> 448

<212> DNA

<213> Glycine max

<400> 26686

cctcgtgact tctttgggaa gctttctcaa gaggtctctt tgagaaacta acactttaac 60
tactaacacc cttttattaa ctaaattcac ctcccttaaaa ataattacgg ataaaataac 120

acaacaaata taatcaacca tcaaacataa ttattaataa tatatatata tatatatata 180
tatatatata tatatatata tatatatata tatatgaacg tgttacacgc ttatggcgtg 240
acgcacgccc aacgcgcgta tgaccttttt tacttggtac actttcagtt tttatatctg 300
cagtcaaaat tcaacaaaac atcaattctt taatatTTaa gcacaaataa ctattagata 360
atTTatTTta tagacaatTT tatcttattt tctattatca aaatacaatt atttaacagt 420
ttttacacgt aaaagagaac agtatttt 448

<210> 26687
<211> 388
<212> DNA
<213> Glycine max

<400> 26687

agtcttgtgg atTTtcaact tcataggaaa tCGtgaagcg tatgataaac aacatgggaa 60
aggaagcatc agtatatgaa aaaacgtgtg tgaacaagaa taaagcttgt accaaaacca 120
caacgtgagt caaatgtaac ccttgagtca ctgatttcat taaaaaccaa tcggttcaaa 180
ccagttaaaa tacataactg atcaagTTaa aggctcagtc cggccttgtg atcgatcccg 240
agctaactag ttgaatcgat cgatccgagc tgagtccaat aacactagtc acgcttatta 300
aaaatgctac ttgtgatttc actgcattcc tttgtcctaa tgaaagccaa tcgtgatgtt 360
ccttaggata tgacatggaa aaacttgc 388

<210> 26688
<211> 416
<212> DNA
<213> Glycine max

<400> 26688

tagtgacaaa aatcctctaa taccaaaatc catggtttgt gaaacattgg tcggatgaag 60
aacaacatct tatggactcc ccttggccat tcgttgttta gggaatggat attctcggaa 120
atttaccat ggctccaatg caaaggaaat tcttgctagt ggcagatgat tatttcacaa 180
aatgggtcga ggtcgaacca ttagcaaaca taacaacctg tgccatccaa aaattctttt 240
ggaagaatat cattacacgc tttagaatTT caaacacatt ggtaaaaaaa atggtttaca 300
attcacagaa tgaatgctca atgagttctt aagcagcctc gaaatcaaac attgggtgac 360

gtttgtagaa ccccccaaa ccaattatca atctaaagca gccacaaga taattc 416

<210> 26689
<211> 365
<212> DNA
<213> Glycine max

<400> 26689

agtttggaag ctctttggca agatacatcc agattttccc attgacccgc ggaatgtgcg 60
acttggttta tgcatagatg gatttatata caatcattat cttcacctta ttggccttgg 120
tcaatcattg ttaccccata caatcttcct ccagaaatgt gtatgactaa accttatatg 180
tgtatcaaga ctaaaccctta tatattcaaa gttcaatgag caatttagga aacatggatt 240
tgaacatgat gcacatgatg tgagaaattc aattctagca aatccaccaa accggttagt 300
caaatttcta cttagagacc atcaaacttt aatcaggaga gaaaaatata gagagagact 360
ttatt 365

<210> 26690
<211> 422
<212> DNA
<213> Glycine max

<400> 26690

tccatcagat acgactttca aaagtcaatg aaccggtag tctccttcg gtcatatccg 60
cttgattggt gcaaaccaac cggcgggcat catgcacagt gaaatcaaatt ttccaatcat 120
cattcagtg accttcaaatt agtacacctt cactagataa ttgggtcaag tcatagaata 180
gggattgctc aatgaccttt tttatcccaa aaacctcata aatcaaagtg ctttcttgaa 240
ttttgagggt agaataaaag gctttaacta attcagaata aacaggcaat ttcaaagaca 300
tataaggaat gagatttgaa ttttgaaatg cctgaatgca ttcaaaattc tcattggaga 360
agatatccat gtctatgaac ttatgggtga taatgcaacg agaggagaaa gaattgtgta 420
tc 422

<210> 26691
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 26691

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agcttttccct ttattgttct actagagatt ccaagtgtta gagaaaagaa gaagggattg   60
gagcctcaat ttcactgtct ttgtgtgagg gtaatttctc tctctataga cattatttgc  120
aaatcccaac tgtgagaatg tgaggaaata agttctgaag ttgatgtccc aatttcagaa  180
caatcgaacg gttaacgagt ctgggatcat aattntactg ggataggttt ggggtgatgc  240
gggaaaaaga gaggggttatg gaagataaag aagggagaat gaatttgaaa gacaggaaga  300
gcatagagac acatcgtaat tgtgaaaact aacctaatat gtatctatct atagctagga  360
tacttttagc ctattactta ctctat                                     386
  
```

<210> 26692
 <211> 439
 <212> DNA
 <213> Glycine max

```

<400>        26692

gtgtagaact tgagttaagg agctaagagt ggttttgata aattcttcta acttattgaa   60
gttagtgaaa cttagtgggt tgtcaataac tgaacatagt ctcggtgggt gagacgaact  120
agtataaatt tcttgtgtct tattttctcc ttttttatct aaactgactt agagtttgaa  180
tttgaccttt actttagaaa aattatgttt gttttacaaa gatctgaacc tatcgtcaaa  240
tctatcccac aaaaatctga tatttgtttc ttaagtttta cttcatcaaa tgatgttttt  300
gttgatatttc aagaagatct taacgttagt aaaaatcaca attcacctca ttcttgcat  360
atatatatat atatatatat atatatatat atatatatat atatatatat atagtgaac  420
atattataac atatggacg                                     439
  
```

<210> 26693
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26693

```

ttgcaagctt gtttctttcc tcgggantag nnaagncgat actcatcaga ttaattagaa   60
actaactgcc cagatttcag cttttcggtg tctcttgac acctttttat tcttttcaca  120
  
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ttatcttcat catattatat ttntctttga tattacaaga ttcagtgcgt tcaatattga 180
 ttgctaagta agctcattat ccagatagcg gctaacttag aggagtggct gctgggtata 240
 ttaacttana ataaccata tctgactagg gaacgtataa ctcttggaga tgcctgctcg 300
 agcgtgaaaa tgatctatcc tgacatgaat agatgaca 338

<210> 26694
 <211> 343
 <212> DNA
 <213> Glycine max

<400> 26694

cgaggaggca actgcactaa aaacacaaca gagtactctg tgttgaggcc aattattgca 60
 agagctgcc aatatcattc atccgaaatg aattctttta gatattaggc gtactttggc 120
 atttgagcaa ttgtctcacc aacaggaata ttaatgtgca aaactttcag catttacaca 180
 tatcgaacaa ataaattcct atccttactc tcgcctacta ttctcttgaa gaagggaaca 240
 ctcacccgag gaggttccaa tacctctttt ctctgaactc tcttcagcaa aagcttcattg 300
 ctcacgtgga ggagccacta tctctatctg cttcacccaa tca 343

<210> 26695
 <211> 338
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26695

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 gaatattaag acttaacaaa attattataa aaattaataa atttattata tctgcatctt 120
 atgattaaac gacatgtaaa attcaaatag ttaaactgct cctaagttga ttggtacttt 180
 gtcaagaaat atataatttc tctgatatc tgaagtgttg taaattaatt atgatatttc 240
 tttttcttgt gtcttttatg atttatcaac ttattcttgc tttctttctt gatttttttc 300
 cccgaaaata agttgaagga attaaaccag tatctcct 338

<210> 26696
 <211> 418
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
<400> 26696

ctgtttgtgt cctattctgc agctttctgc aatgttattc tcanttttgc tgattngttc 60
tttctaaact tttcttggtg tgacttacga gttntgatct gttctggcat ttagagagct 120
acccataata aaggtgatta atttgcgata tatgatcaca tgttctatct tatgtcctct 180
tcggtaataa cgtgttgcca tgatacgtac gtgccatttg attttggtat cgtatgttca 240
tcttcgtata tacttcgtac actgtataat cccgtactat attcagtaat ttaatgcgga 300
aatatgatga aatatgggtct atcgtattgt atctgctatt ggtgggtatg aaaaggcaat 360
gaacacttgc ataagaaaag ggcaatcgta acgtgccagt tatttatatg ttatgtgt 418

<210> 26697
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26697

agtcttgctc taaatttaca ttgatgtttg tatttatggg aggagggtgt atgccatttt 60
tgttttaaga gtagtgctcc actggtaaaa ctaactttcc aaatgtttcc ttcgcaggaa 120
atggccccga ggaagcttgc ctcaaagagg tccaggaagg acaaggcagc cgaaggaact 180
agttccgctc cggagtatga cagtcaccgc tttaggagcg ctgtacacca gcagcgcttc 240
gaggccatca agggatggtc gtttctccgg gagcgacgag tccagctcan ggacgacgag 300
tatactgatt tccaggagga aatanggcgc cggcgggtggg catcactggg tactcccatg 360
gccaagtttg at 372

<210> 26698
<211> 440
<212> DNA
<213> Glycine max

<400> 26698

ggccctatac ccgggttcat gggaatttaa ggagtgtagg tgaatctatt atcatgctag 60
gtttccgact tgcttgataa tagtgaaacc tcgtctagag ctttctctct ttataatgtg 120
ttgtcgctgg tattccatac cgccacaata ttattatctt gagtgatgat acctctagaa 180

aatagccgtg tgagttatga attgttgggg agtagttatt agagaccct agatattgtc 240
ctataggttc ccaaataagg gcaaaagagc aaacacgctc cgtgccattc gttctcatgc 300
atTTTTTggT aaatagcacc agtttatagt tttgctagtg atgtttgggt tctttaaggt 360
aatacatgac ctttttaata ctacgttgag gcgtcatcat gcctaaaacg tagcattaaa 420
aatggatccc tacagtctcg 440

<210> 26699
<211> 362
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26699

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ctaagcaggc gagctcctgg cagtcaacag ataaaaggaa aacaagacct aaagcaagga 120
ggcttggtgg ggctggccag ctgtgaattt tgtgtaatat gtgagatatg gcctctggta 180
atcgattact aagggtgggt aatcgattac aaggcttaaa aatgaagaca ggaggctaag 240
atggtctctg gtaatcgatt accacggngc gtaatcgatt accaagcttg aaaacgaggt 300
caggaagcta atgaagcctc tggtaatcga ttaccaaggg gtgtaatcga ttaccaggct 360
ta 362

<210> 26700
<211> 387
<212> DNA
<213> Glycine max

<400> 26700

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ttaaaccttc attaatTTTC agctttacct tctcctccat tgggtgtttct tcattattct 120
ctatgtatct cctcacatgt cttgtgctga atgttgataa catgattttt tagaatttcc 180
accaattaaa cttgctatag aagctagatc tgattttcaa tggttcaaatt ttcttgttct 240
tgttcttgaa ccatgaattg tgttgagttt atgttccttt gagttttgca ttgctatttt 300
tgtggctgaa gaatgaacca taaaactctt acaaaaacat taaagtagaa taaaacctca 360

aaaatctaga gtgacatggt cactgat

387

<210> 26701
<211> 383
<212> DNA
<213> Glycine max

<400> 26701

agtttgagaa tggagaattg cacaaagcaa tcactacgca tggctccaaa gtcgaagggtt 60
taaaacacat gaacgaaaac gcaattcatg gggctccgaa aaaggggtta caatggagaa 120
ttgcactaat caatcactac gcatgggtcc aaactcgaag gtggaggaca catgaacgaa 180
aacgcaattc atgggggtcc gaaaaagggg ttgagaatgg agaattgcac taagcaatca 240
ctacgcatgg ctccaaactc gaagggtggag gacgcatgaa cgaaaactca attcatgggg 300
ctccgaaaaa ggggtgagaat ggagaattgc actaagaaat cactacgcaa agtttcaaac 360
tcgaagggtg aggacacatg aac 383

<210> 26702
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26702

tcaagaatag gccaaaactcc cttccaaaat ctgatttcaa gcttaaataag gtggctttgt 60
tcgtgtttgc acgcttagcg caactctaaa ccgcttagcg tgcattaatg aatttcagct 120
tagcacatgc tttcctcgct caacggatgg gctgaagcgg tgcgcttcgc tggatgaccc 180
ttcgcatagc gcaatttcac aactcatcct tcttcagat tcttcctcgc gcttagtcaa 240
gggggtgtttc gctcaacgga tggctcgcta agccagaaga ttggcttanc aagagggtga 300
aaatcaacac ttcacaaaact tgcttaatta acctgaaatt gagagataat gattattaaa 360
cacacaaaat ggacatacta agtatttatt acctatcttt aacananagt aattataaca 420
ctac 424

<210> 26703
<211> 357
<212> DNA
<213> Glycine max

<400> 26703

tagcttgtag gattatgggg tacccatcac atgtggtact aggtggcggg cgggcgatgg 60
tgcacaacaa gtttttcaca tccacaatgc ggcataaac ccaccatcct ctgttgccca 120
cctccatctg agctcacgta ctcccacgta gcccatatcc ttttttctct caacaccggg 180
tccccatcaa tcctcccaag tttcctcaa catcaaagta atacaacatt cacacagcac 240
aagctatcgc agccaagcaa aacagggcaa atgcagaaaa ctctgcccga taacaccaac 300
caaaatcaca gctttttctca cttaaagacc gcagtaacaa tttcttcgat ccaattc 357

<210> 26704

<211> 426

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26704

tgtgcaaadc aaatcactcc tacatttcat ctctagtatg cattntcttt ctttaccac 60
tcctcacgtt tgggtttttta gggaaaaaac accataacta aacgcgccgc aaggtatccc 120
tatcgcacca gatccaaatc tagaacgatg ggtgatcaag aggagacgca ggaacagatg 180
atagccgaca tgtcggctct gaaagaacaa atggcctcca tgatggaggc catgttaagt 240
atgaagcagc tcataaagaa gaacgcggcc actgccgccg ctgtcagttc tgctgccgaa 300
gcagaccgca ctctcttggc aactacgcac catactccct canacatagt aggacggtga 360
agggacacac ttgggcacga tggcagccct cacctgggat acaaccgagc ggcttaccct 420
tatgga 426

<210> 26705

<211> 384

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26705

accttcggct tgcaagtttg taggcgtngg atcttcttca tcaatggagt catttgcttc 60
ttgaagatca tggcagcgga atagagaagg aagaaagatg attggagacc ccaactctagg 120
agatgatgag tcaagaagaa gctcaccacc acaggaagcc atggataaga gcttgaagga 180

aggcgaatat gagtggaggg agagggagag aatgggcacg atatTTTTatg cctcanatga 240
 ggtctgaact ttgaagtgtg attctcaaT gatcaaagtt caaaaaatgc acacacatgg 300
 cctctatttta tagcctaagt gtcacacata attggagaga aatttgaatt tctattcaaa 360
 ttcactcgaa tttgaaattg aatt 384

<210> 26706
 <211> 428
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26706

tgtccccaa ttttctataa acagggggag aagtgttgta gaaaacgggt cagcccccta 60
 ggcacttctc tctctttcga atttgcttag gaaaattggt tttgtgaaga aaatccaagc 120
 cgaggcgctt ccgtaacgtt tccgtgagtg atttcgcgaa ggTTTTcgac cgttcttcga 180
 cgttcttcat cgttcttcag tcttcaacgg gtaagtacct caaaccaagc ttttcaattc 240
 attctatgta cccgtgggtg tccaaatttg gtttcatgta tttttagtct cgttttcatt 300
 tactttttat accccctttt gacgtgctta agccatttat ttaagtcatt tctcgcttaa 360
 cctaaaaata aaatanattt ccaccgatca ttngaattgt atcatccggt aactttgggt 420
 gaaataaaa 428

<210> 26707
 <211> 392
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26707

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 ttcacccgac gaagacactg acaaaaagtt atcttctcct ttttggaaca agtatgaaag 120
 ctagggggcaa gtaaattttc tcccatcag accttggtat caactgtgat cgtatcccca 180
 tctcaactag atcttgacgg gtattcaagc catccttcgt cttgccctan atgttaagga 240
 gcgtoccaat cacactgtca catacatttt tctcgacatg cataacatta atacaatgtc 300
 taacgtctag atcagaccag tatggaagat aaaagaaaat gaacctcttt cttcatatgc 360

aagtcttact tttattcttc ttttgggtct tt

392

<210> 26708
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26708

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gagcttcatt tatagacgaa ttctaagtag cttagcatat tctgtgagac actttttttt 120
cccccccttc aaaccttctc tctataattc actatattgg aaatcatcga tttttgtgag 180
ttttacgtca aaatcaggca taatcattga atgaaactca ccaaaatgag tcaattttaa 240
taaatttcga taaatcttag gaagagtgtt gtcgggaaaa agtgtcctcc ctatcattcg 300
tggaaatgat atgtattgtt agtgtaaata ctaaatagtt aaatagtttt atacccttaa 360
ccaattagat attatgggtt aaatgactat cacttaccca tccctcctta tgagaataga 420
agtgtgggaa aatatgataa 440

<210> 26709
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26709

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ttcacccgac gaagacactg acaaaaagtt atcttctcct ttttggacaa agtatgacag 120
ctaggggcaa gntaaatttc ttcccatcag accttggatg caactgtgat cgtatcccca 180
tctcaactag atcttgacgg gtattcaagc catccttcgt cttgccctaa atgttaagga 240
gcgtcccaat cacactgtca catacattnt tctcgacatg cataacatta atacaatgtc 300
taacgtctag atcagaccag tatggaagat aaaagaaaat gaacctcttc nttcatatgc 360
aagtcttaac tttattcttc ttttgg 386

<210> 26710
<211> 443

<212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26710

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 gagcttcatt tatagacgaa ttctaattgag ctagcgatat tctgtgagac actntttttt 120
 ccccccttc aaaccttctc tctataattc actatattgg aaatcatcga tttttgtgag 180
 ttttacgtca aaatcaggca taatcattga atgaaactca ccaaaatgag taatttttaa 240
 taaatttcga taaatcttag gaagagtgtt gtcgggaaaa agtgtcctcc ctatcattcg 300
 tggaaatgat atgtatggtt agtgtaaata ctaaatagtt aaatagttnt atacccttaa 360
 ccaattagat attatggttt aaatgactat cacttaccba tcccttctta tgagaataga 420
 agtgtgggaa aatatgataa aaa 443

<210> 26711
 <211> 380
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26711

 agtttgattt atgattcaat ncatggatct ttccattaac aaccgaaata tcaactaccac 60
 caacagctct cttgatggag cttgggtatt tcattaactg accaatacca aaaccggaat 120
 ttattttaac accagagtct ttagcaaagt tcaccccttt atcattgttc aaacatttat 180
 tggctcttat gccgaattg gttgattgtc ttctgtgtg gccgtaatca gaatacagtt 240
 tcttgggcat gatagggtg ccatcattcc acaaattttc actagtnttt gtctttcccc 300
 catattgatt atcaaattgc agaaatggtg aaaaagataa acccttggcc acatttttag 360
 tttctgatct agctctagca 380

<210> 26712
 <211> 426
 <212> DNA
 <213> Glycine max

 <400> 26712

 tgaattctag atgagtgctt aaatgcatgg gcatatagtt atcattctat gtctagcaat 60

gattttctta tattatcttt tctttttggt ctattagaag ttaccctttg tcgagcgtct 120
aaccocctaaa actaatgcat gcacaccttc tttaaactctt atttagaagt taccctccgt 180
cgagcaccta acccctaaaa gaatgtaaag ataaatgcat gggagataaa tagaaaagac 240
aataggatag aaaaacacat gttgttgc tgcataataa tgaagagtac atcatacatc 300
gctttggctt ttaggcctgc cagaccctaa ctaggggttt aacctctcat ggccattgag 360
ggctttacac tggatagggt ataagaactg atggaagaaa ggggcaaaag aatgaaaggg 420
agaaaa 426

<210> 26713
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26713

agtttaaaaag ttttaacat cccaagattt gaaaaagaan aactacagca aatggtaggt 60
ggcaatgttg tgggaaggta gaataaataa aatttttaca caagcataac ataagagcaa 120
aatcaatct tgtaaattct atgtatgttg gttgttgaag agatctagct ttatgatgtg 180
gagatacgag aagtacatgt acaagctgtc aaaatgaaac atgagataaa aggtccatcc 240
tcaagataaa gttattctac tgaatatatg gaaatgcaaa agtaatatgc aaaatgaaac 300
aacacatttg ggtgtgacat catacagttt agacttccaa tctatatng cttgttcata 360
tggaagataa cttagcttca atgt 384

<210> 26714
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26714

tgaagggtgcg taccacacca tttttcatag taaaacacta gtaatgtgtc tactattatt 60
atgatcatct ctttctccgt cattgtaggt gccagttgag cgtattcttt gaaagatccg 120
tgcccccttt ttgcacatgt tctgtagttg catcctatcc agagccatat cagaattgta 180
ctgacactgt ctaacgaagg caaccattan gtccttccaa gaatgaactc gggaagggtc 240

caagttagtg taccaggtaa cagttacccc agtaagactt tcttggaaga aatgtatcag 300
cagttcttca tcttttgtgt atgcccccat cttccgacaa tacaactttg gatgggttctt 360
ggggcaagta gtcccccttat acttgtncaa agttgacgcc ttgaacttgg gaggggtgat 420
gatatt 426

<210> 26715
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26715

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tttgctttta ttggttaaca tggaccgttc aaaagcataa aatcaacca taacttcaca 120
ctttcacaag aactatgtag gtctgatttc ttcattacaa ttgaggatac gtacgagcaa 180
aagctccgct tttgtcgacc tccccaaag atcgtaatg gtccaatgcc ttaacgcttc 240
tctcccttca aaaaccaaga gatcgtaat ggtccaaacg cctttacgtt tctctccttt 300
canaaccaag agattgctaa tgggtccaatg ccttaatggtt ttctctcctt tcaaaagaat 360
caaaagatca ttaaatgggtc caacgactta aatg 394

<210> 26716
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26716

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aacaagtttt tccacatcca caatgcgcgc ataaaccac catcccctgt tgcccacctc 120
caactgagct caggtactcc caggtagccc gtatcctcgt ttctctcaac accgggtccc 180
catcaatcct cccaagcttc cacaacatcc aagcaaaaca acattcacac agcacaagct 240
atcacagcca agcaaaacag agcaaaggca gaaaactctg ccaaaacacc aaccaaaaat 300
cacagctttt cccactcana gacccagta acaattcctt cgatccaatt cgttaaccgt 360
tggatcgact ccaaaatctt actggaagtc tatagtgcac aagcctacan tttgaccgtt 420

gggatctact agcaaaca

438

<210> 26717
<211> 185
<212> DNA
<213> Glycine max

<400> 26717

cgtgacgccg accgagagga cgacagggcg agtaatggga agggaggggg agggaccccc 60
gaagagaaaa aacgagcgaa gccggagaac aaaaaggaga gaaaggaaga caagagacaa 120
caggggaggg ggaaccagag aggagggcag gaggacgaaa aagagaaaca gcgcaaaaaa 180
cagcc 185

<210> 26718
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26718

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aaatgctatg aaagcttaat ttaaaatatg tgtgcacttt ggaccacaat ggtgcaattt 120
ctgaaatggg gttcaattta ttataacaaa tagtgatgta cataatgttt gtacacattt 180
atatatgtgt ggcataatga attatactcg tacagcttca ggataacatg gccaaatcta 240
attatgtctc tagcgttggc atttttgtct ctgcttggga tgatgctggc cagttagaat 300
aggatcgatt actagcgcat tggatgccga tcgctcgtag cacacattaa ctgaaacaat 360
tacaaaatga acgttatcat aa 382

<210> 26719
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26719

tgtagaagca aaaggccagc tatggttttc aaggtgtatt ttgaaaaggc ctatgactca 60
gtctcatggg cttttttgga ttatatgcta caaagaatgg gtttttgtcc caaatggaga 120

cactggattt ctgcctgtct taattcagca agcatttcta aaagatgtcc aggtttaatt 180
 ctctgatttg acgctagtca acaaattggt tctgacaagt catcaagcta ccaagcttgt 240
 aaggattcta ccgaaatcat tgtgattgaa aggaaaagat aatagaaagt aaatatgatg 300
 ctaggataac aaatgggtgt cattntgaga tgattaatac actggccttag tacttcaatt 360
 tattcttttag aaccaataag gagactgagt atttaaagta aaaatataga ggacttccat 420
 antttggaaa catgaatg 438

<210> 26720
 <211> 385
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26720

ggctatgcag tttattggag gaaaataata agagagagag agaaaaaaaa gtggcgtggg 60
 aatgaaggaa agatagggag agaagttgaa ctttgaagta tgtctcacia gactctaatt 120
 atcaaagtta tgacaaatgt tacacattct tctatttata gcttaggtca ctaactaaat 180
 gaaagtttcc ttgcgaagct tatgtgagaa gcttccttga gaagttagag tttaactaca 240
 cacccttct atagttaagc tcacctcttt gagaagcttt cttgagaaac tccttaagaa 300
 gttagagctt agctacatac accctcttaa tagcntaagc taacccttta tcaaaataca 360
 tgaaaatgct tagctacaca cacc 385

<210> 26721
 <211> 429
 <212> DNA
 <213> Glycine max
 <400> 26721

tatgctgcat acatttataa tagacccctt cttctttaa accaacaaca gcagaataat 60
 gatgatcttt caagcaacag atacaatcca ggttgataa atcatccaaa tctgagatgg 120
 gtaagtcttc cacaacaaca acagcctgtc cctcccttcc agaagtgtgc tggccaagc 180
 aagccatatg ttctctctcc aatatagcag caacaacaac aaagacaaca agcaactgag 240
 gctcctcttc aaccttctt agaagagtta gtgagtcaaa tgaccatcca gaatatgaaa 300

tttcagtaag agacaagagc ctccattcag agtctgacaa atcagataag gcagaatgct 360
 actcagttga accaagctca gtccaaaatt cttacacatt gccttcacat actgtgtaga 420
 atctgaaaa 429

<210> 26722
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26722

agttttgaac aatatacttg gccttcattt aactgtcttt gggcttggcg gccacgctca 60
 acaaagtact ttcgacacct actgtacgtt gatttcacca atgctgtttg ggaatgttgc 120
 gacaatcctt taaaacctta ttgatacatt ctgagagggtt cgttgtcatg tggccatatt 180
 gacgtccttc tctatcgtaa gccatcgctc atttttcctt tgagatgcga tcaatccatg 240
 ttgctatggc tggactcagt tcacgaaatt tttctaaatt ttgatcaaaa atgtgcttgc 300
 atggagtgtg ggctgcataa aattagttat gaataacaat tntaagtata aatgaaagaa 360
 aaataaacgt ga 372

<210> 26723
 <211> 438
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26723

gattcagatt aaacgtggaa ttagtttcaa tgctttgaat ataattattg gagacaaggt 60
 aaagttagaa aataatgaaa ttatttctgc tatcagttgt aggttttttag tgtcaggaaa 120
 atatattgcc ttgcaaattt gcgatgatga agacgttgaa acgatgctgg aaagttttta 180
 acaacaacaa gaaatgtcag ttctagaatt gtacatagaa aaggatgtgg ctggtgggtc 240
 aatgtttcat tctgcaaatt cccttacatc atgtggaaat tatgtatcta atgatgacac 300
 acaaccgcca acaaatatga gcaatttana tcttgacgaa gatgatggtc atgatgatta 360
 tcttgtgtct aactcatagc ttgaagagtc gttagacgaa gatgacagtg ttgacgggtat 420
 atcagataga gacaatga 438

<210> 26724
 <211> 210
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26724

agtttgagcc tacngccaaa aggagacaag aanacatgaa ggctcagaac cttctgtgaa 60
 aggctggaac gcaaggggat gaatggtacc agcgattgac ataaaatgag accccgagac 120
 acggttattg gaattccggt agtcggggggg acaaccacaa gtgaacggaa tccgtaagcc 180
 gaggaaactg cactatctat acgagatacg 210

<210> 26725
 <211> 401
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26725

aaagatttgt gactcctgca ggcaggaant atgaaactac gctgtagaat gaggaaggca 60
 attatcattg tggtttgatg cgcaggccac acggcgtggt cagatcgaga catactagat 120
 tatgcctgta tctcacattc gaacgtcaca tegtactatg tacactcgcg tcaaaaaaaaa 180
 gtgttatgta cctatcagta aatgggtggt tacatatgat taagagtgga ccaacaatat 240
 gatgcatctg aaatcaccta caaaacctat cacaaggacc atgcataagg tgtaagcgca 300
 ctcatcgact gtaaggaatt ggaaaaactc tccgcgaagc gaaatgtgat ggggaataac 360
 cacgatgagg acatatctcg acttcatatt gttccagcaa a 401

<210> 26726
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26726

agtttatgaa gagtagtaga aacacgtagt ttataactaat tcactcaacc taggctatgt 60
 tcagttctcc ttcacaaaac tgtgaagagt ttactaatc aatattgatt ataacaagta 120
 ttctaacttg tcacttctgg ctttacaatt atctagacca ctactgcacg acccttagac 180

tccttttgaa tctaaaaaca ctcaagtatt gttttctcgc tatgtcactc ctagctntca 240
 caaacaatta atttgtagaa tcacaaattc tatcactcag agagtgtgtt tacaatgaat 300
 tattctctag tacaatgaat ttacttcgta aaggataaac tcaataaaca ttgtgtttca 360
 ctcagtagta tt 372

<210> 26727
 <211> 426
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26727

tgaagaatgt tngcaggagg ttagtgtgtc ttttttttac ttcaattcat gtcactctca 60
 tttcatattn tattggtgcg ctttttgatt gatgattagt tttacttttc tcttttctaa 120
 tatcagattt ttgcattaaa taatgttttg agtgcaatta atagacacct ggagagaatc 180
 atataaatga gagagaagtt tatatatata ataaatatct ggtatgatag aaaaagggtta 240
 taaaaaaata aaaagaataa taatattggt ttttctaatac agatacaaaa agaataataa 300
 tacaactttg ttagaggagt atgtgaatat atttgatgta agaaactctc aatcaatttg 360
 tactctttnt gattaattgc tttctggttt gtgtatgctt acaattaaga aaagtaactt 420
 ctagtt 426

<210> 26728
 <211> 346
 <212> DNA
 <213> Glycine max

<400> 26728

ttagttttatt aattaagaaa aaattattgt aatacctgat gccttgatg agtattatat 60
 ttgtactttg caatttatag taactttata tttatgtact ataatgacct aattcatttg 120
 atatttttatt gaaaataata tatatatata tatatatata tatatatata taaaatcaaa 180
 ttatttttctg tctagagtgc tcaaccgtgt gttacaaagg gattaagggc acattcctac 240
 taagaaaata agtgaaatct gaatatgcat accttgcat ctctatattc atcactgatg 300
 aacatctaac tgtctaattt aattattagg agggaatgat tatggg 346

<210> 26729
 <211> 424
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26729

tatttgagaa gcttccttga gaagctatag tttagttaca cacccttcta atagctaagc 60
 tcatgtcatt gagaagtttc cttgagaaac ttccttgaga agcttccttg agaagctaga 120
 gcttagctac acatacccct ctaatagcta agctcactct catgccaaaa tacatgaaaa 180
 tgcttagcta cacacacccc tctgatagct aagctcacct ccatgccaaa atacatgaaa 240
 ttacaaaaaa agtccttact acaaagacta ctcatattgc cttgaaatac aaggctaaaa 300
 ccctatacta ctagaatgtg ccaaatacag gccaaaaaga aggagaacat tctaatatnt 360
 acaaagaaga gtgttcccaa ccttggccca tgggctcaga aatctaccct atgattcatg 420
 agaa 424

<210> 26730
 <211> 391
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26730

agtcttaaag taccatgttt accaccaga ggtcaacctg agtattatca tttactccac 60
 ctgctgctta ggttatgtga ataaaataac tgggtgcacaa ataagccatt ttccagtcct 120
 attatgcctc acagaagtca ccaataccaa gacttgtact agacagggaa tacctccact 180
 actagaaaag ctgctttctc catcgcgaga actacatcgg ttctggaaaa tcgctttaat 240
 agaaggcgcg gtggcaatth tgtaaataagg agaaaaaaat taagttttta cgtcatatat 300
 tctaaggcag ttgcaaacaa ccgccttaga atattgaana aaattaagtc aacagtgggt 360
 ttgacttacg actgtcgtag atatgggtat a 391

<210> 26731
 <211> 446
 <212> DNA
 <213> Glycine max

<400> 26731

tctccttctt ctaggtgacc aagctttact aaaactgttt ctctcttggt ctttgtatac 60
aagtttatca acctaggaag gcatattcgg aatcaagtta tatatcatgt attagttaca 120
tttatcaaat tccctaggtt aataaaacta aaacatactt acaatttttag attcattttt 180
gtccaactcc tccagagctc tctcaagaaa ctcacattca tctaacaatg agatctggga 240
aataataatg agtatttttag gtcaacctga ataccacca gagctcataa taataacagc 300
agtcaaacca tgaataccac ccagagggtca acctgagaat taataatgag tattatcatt 360
tactccacct gctgcttatg gtatgtgaat aatataactg gtgcagaaat aagccatatt 420
tgttggacat ataaattcat aaattc 446

<210> 26732

<211> 374

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26732

agtttctgag ttgttttttg attgnacatt tcaatacttg gtaaaatgtg ataatgggct 60
ttaataaatc atttgggagt gatatttaat tattgtaaat tattggccga gtggtctacc 120
tagagggaga tcccaataat tctagtgatg atttgtggaa ttaacttgct gtatgatgcc 180
attcaattgt gaacatgagt tgataattgt gaaattgggt ccagagggat tgaccctgat 240
gtaagctcca ttggagcttg taggcctaag atcttcctca tcaatggatt cctttgcttc 300
ttggaagatg aatggcagcg gaatggagaa ggaagagaga gaggagatgc cactttaagg 360
agaagatgag tcta 374

<210> 26733

<211> 437

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26733

nttaactgaa ttgcaatgt tccaattggt ttttaattgg tgtaatcgat tacaatatat 60
tggtaatcga ttaccagtgt atctaaacgt tgaaattcaa attcaattgt gaagagtcac 120

atcttttcat aaaatgcttt gtgtaatcga ttacatgggt ttggtaatcg attgccagtg 180
acaagttttg aataaaaaatc aagagatgta actcttccaa tgcttttctc aggattttct 240
caagggtata actcttccag tgattttctt gaccagacat gaagagtcta taaaagcaag 300
accttgattt gcattntaat aacttcttca taactttntg aacgtctttn tgaacttctt 360
cttcttcttc ttcctttgcc aaaagctttc taaagttttt ggtttctaaa ccttgttctt 420
tcacagaaaa caaaagt 437

<210> 26734
<211> 322
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26734

agcttgtgaa tttactaatg aagggtttta ggattaaaaa gtcagccgac atatggctaa 60
ttgaacaaga gactgacaaa ttaggttaac gaaagtgcta gatgattttc catgctaact 120
aatataagaa atctactatt tagagaagag aaaacaagat tgctaacact cattactcaa 180
tataaggatt ttttgtgtgg gaatataccta naattgcagg gttatccaag gatttggttg 240
agcattgact atccttaaag gagaggttta agccgtatga gcagccttcc aaccatttta 300
atccagaagc ctgccaatgg tc 322

<210> 26735
<211> 430
<212> DNA
<213> Glycine max
<400> 26735

tgcattaaaa tatatctccc aaccaaagaa atttgcttat ttaagtatcc aaagagctta 60
acaagctcat aggccaatga tagattcaaa aactataaga aagcatgcca tgattaacca 120
aagacactag ttgaatgcgg tccataatcg aaaggagaga acccttctac ttaaccaatt 180
tctctttaag tctatcaata atggtgagaa ggtgagcaca ctttggcttt ccaactgaaaa 240
tgagagcacc aagatacgtg aagggaagag tgcccatcga gaaaccaaac atctcatgga 300
aagcattaac atgacttgat gagatatcac cttggtaaaa cttacatttc tgaggactga 360
ttgcttggtc cgaggagagt tcataaaggt tgagcaatct tataagtttt tggacattgc 420

gtttcatatg 430

<210> 26736
 <211> 407
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26736

tcttgtgcta ttctactagc actattggga ggtgggcgca tcntgtgaga tgagcacatg 60
 agtaggcgca gnggacacac tgtggactcg caatgaatac tctactacac ctgacctcga 120
 gaggacttat atgcatatac tacagaaggt acacttacat ctatatcttg catatgaagg 180
 gggaaacata ctaatgtgct gtatagaacc ttggctgata ctgcctgaat gaaacatgaa 240
 aggcttactg tacactccaa tatcgctatg gtaaccaaca tcaaagatac ctgtgaagct 300
 cccgtaaagt ttgaggatat tccctggaaga agcgctggcc gcattaaagt gacacattga 360
 tgtgttccat gatacatccc aaatgatctg tacgtgttct cacgaan 407

<210> 26737
 <211> 309
 <212> DNA
 <213> Glycine max
 <400> 26737

tgatcgacag acaagacata gatgactctt gtgcacctat ttataatggg tgccgaccag 60
 cccgatgacg cgcggagatt atcatcacac ctgcgctca caagatgaga tacactgaca 120
 tgggagtcac gctgacgggc gaaaatacac taactggcat actcatgaac atcactttcc 180
 gcagcatgga tgaagactag cttgattgca tgcacagact accgtcgata gctgctacct 240
 tatccagtcg agcgctgact gtgagctcac atgcggctac aaaactgatg ccgagcgctt 300
 acacgagat 309

<210> 26738
 <211> 366
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26738

agcttctcgg ctcacgtctgg gaacgcctct agctcaacac ccgtgcagcc taaggcacc 60
 acccagaggg aagctcccca agttccaact ccgaacgcga ctcgaccagc cggtaattca 120
 acacgacaag gaacggccct ccgaggccgt tgccggaatt caccocgctc ccaatgacgt 180
 acgaagatct tctaccatcc ctcacgcga atcatttggc cgtggtaact cccggaaggg 240
 tcttcgaacc ccctttcccg aggtgggtatg accctaatac aactngcaag taccatgggg 300
 gcgccccggn gcattccatc gaanaatgct tggcccttaa atacaaggtc caacatctaa 360
 tggatg 366

<210> 26739
 <211> 424
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26739

tgtaaattgt aatattcatt agatagaaat tagataacac attcatgagt gaatcccttt 60
 tgaggtgaag atctacaatc tgtgttgtaa aaaacataga taccttttac cgttgtaagt 120
 ccaacagtgg ttgccaaagc tgaaatccaa tgttataact ggtctagttc tggttaggtt 180
 ggaagtccaa tgttataact ggtctagttc tggacgtagc ccaagggttg ggtaaaccac 240
 tccatacttt gattttgaat agatctatca aatgcttgct taaacactac atgtcatacc 300
 ctaatttcgt ccggggatta ttatttggtg atatacaacc tttgattggc cgcttcgaga 360
 cactnngcgt cctttgttgc acaatgaatg aagtcccgag acgtgtcaga aatcanaagg 420
 aagc 424

<210> 26740
 <211> 365
 <212> DNA
 <213> Glycine max
 <400> 26740

agtttgccat gaatcgtgcc atgtgtacta gtaaagaggc tggcataatc ctgtcataaa 60
 acacaaccat aaactaaaat aagcatatgt gatcagtgtc aaaataaaac caaccattta 120
 caaaaccaat taagaaaata agaatagatt attacagcta accaatcaac aagcctttca 180

ggtaaccatg cttgacattg cttgtccaca taaaatattt caattaactc ccacgcagct 240
 ttcaaagatg taggctcttc acctctctat attatgtgta atgcgttaaa aagcaaatga 300
 ttaacttctc ggtatcataa ttcccacaag cagatctcag ctcagctaaa cacgtgaaac 360
 aaatt 365

<210> 26741
 <211> 439
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26741

tgcacttctt cactttcttc aaggacttca gtttctttcc cacttggggc ttttaagcttt 60
 gggagccaag ttatcccttg cctcctaaac ctcaaccact tgtgatagcc gctgatgacg 120
 ccattgctac ttcccctaag ctcttatctt ttcctttaca ctgtattcca tgctttatgg 180
 attctctgaa gtatcctcac attggcttca ttgaaacctc gtgcgacgaa gggcgcgatg 240
 atctcctcca atgggtgcacc tctcataggg tagcctagtt gtcttatggc cagcatggga 300
 atataattaa tacaaccctt tggttctatc aaggagatgc ttgggaatac ttcacacgag 360
 cacaacactc ctgcccctcc ttctttccat cgngngaact agctaattga cgctcctacc 420
 atacctgcc a tgagttctt 439

<210> 26742
 <211> 345
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26742

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 gaaaatgtat cattcgaatg caagtgaatg gatttactca cgcaatttct ggtgtcttta 120
 tgttcctgga cttaagagta atttattgag catagggaaa cttcaagaaa aaggcttgac 180
 tattttgatt caacatggga agtggttggt atatcatttt gcacaaggat taattatgca 240
 gacagatatg agtggaaata taatgttttc tttgctggct accatgatac caaaagcttc 300
 ttcattgttc caaattgtat cagaaaatga atctcatctt tggca 345

<210> 26743
 <211> 402
 <212> DNA
 <213> Glycine max

 <400> 26743

 tatccaaata attgttcatt gggtttattg attcacttgt tagcggacca tctgcaaattg 60
 tctagttttg caaacttacg cacaagatat cacaatcctc agtatgaggg gtgtgctgctg 120
 gaatcccaca ttactagta ttatggccac aataatgtgt atataactgg aggcaaccca 180
 tatttggggg tgagtgtggc ccaaactcaa aattgtaaaa gaaattatta atgataatga 240
 tagatagaca atcttttagct tggattaaat ggataagtga ttgcttctgg gtggaatgctg 300
 gtctcatgtt tgcgtgttat gcatggcacg agttatgaga atatgaogt aatcgtacaa 360
 aactatgtgg agagctagat atccaaatat ccttattgga ac 402

<210> 26744
 <211> 379
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26744

 agcttaacaa ctttagttca ttgagtttca acaataattg ctctataact caaattgcaa 60
 gccatattca taccaaataa aaatgggtcca aaagccttca caataatata tgtttaagtc 120
 ttcttgaaag tactttcaga aaattttctt tatcatttca gagcaaagca gcacaagtag 180
 caagaattgt cgatgcaaga taaaaatcat tacaattaat tttcatagta ctttatagaa 240
 gtttcttcca ctttccaaaa atttcatatt accattatat cattcttaat atcatgagta 300
 aacttaattc tacttatatt atgtacatca cttcanatac tcggaactag atntanagtg 360
 tttgttcact tattactga 379

<210> 26745
 <211> 434
 <212> DNA
 <213> Glycine max

 <223> unsure at all n locations
 <400> 26745

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cattggatgg ctatcttggg gtctatggag tatgaaacta aatattctaa taattttggt 120
caatgataga ttgtcataaa ctttctttgt tttttttttc tcaggagcat gttatgaaat 180
gtcaagacca agcagaagtt gatcgtatcc aagccaatgt tgaaaaaagt agaaaagcac 240
tgcagacctt gggttatgca gacttgactt ttgaagattt ttttgcggtta acttttctac 300
tgcaattcct taccctcgtg ggatatttat taacattnta atattctctt ggcaaaatgg 360
actacacgca actaacattt gaaaaatact tttgatnngc tattttggaa atagggatat 420
tgcactgtgt gcat 434

<210> 26746
<211> 386
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26746

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cggttactaa cccggaatgg gttaggcaa agacagcggc ggcataacta gcctgacaat 120
gccaaaggaa atcgtgggaa gtatgggtta ggctataagc cactcaggc agatataaag 180
agaagcatcg cgggaaggaa gaacggtagt caaagctcgc agttgagaca agaaggtgaa 240
ggaagcccgc cctgccacat aagtagaagc tttataagca cgggtctggg ggacgaaggt 300
caagtggtcg cgatatacga agatgatgtt ccaagtacat tggatttggt acgaccatgc 360
nctcctgatt tccagctggg aaattg 386

<210> 26747
<211> 413
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26747

tcttttagagc catttctctg aaagacacat tttcattggt tttttgcatg aaatgccaac 60
catcatttca tttatcttaa acacaacaaa agccaaacaa atttgaatgg tgcatatttc 120
ttttcaccaa atgcaagttg tcgcaacatg cccttttgcg ggcgtgcgaa gcgaggctca 180

cggtgctgcgt ttccaaagga ggaaagatgc gcggagtcgc caccaacgtt tatttgtgga 240
 aaacgtcggg aaaaccgaag gaaaccggtc aaaatgaaaa ttctaagttc gggagttgta 300
 tatacgtttg aggaaggtat tagcacctct cacgtttgtc tcataggaca acagcctatt 360
 ttttagaata gtggagatng tatcacctta actttattta tttatgtttt ttt 413

<210> 26748
 <211> 386
 <212> DNA
 <213> Glycine max

<400> 26748

agtttcacat tatgtggatt atcctccagc acatcaacat cctgcaaact aggtatatcg 60
 tacagtcttc atcagactct tcagtcgagg agttatcctc acctcgctc gcttatcact 120
 gcaaaccaaa tacaagaac gatcctccat cgagtcctcc atcaaatatg tatcatatag 180
 gtcattcatta gtccctacct taatgtaaga ttttaagcaa acttgtgcct tgactcaaat 240
 taagactcta gccacatcta gatgcatcct attagtagta tactcatttg catacatata 300
 gtcaccatag gagctacaat ccgatttgaa aaaatcatca ttccattcat gagtagggac 360
 attaagcaat ttcacccata ccaagt 386

<210> 26749
 <211> 422
 <212> DNA
 <213> Glycine max

<400> 26749

gtgcagaaga aaatgagaaa ttttaacaaac attgtgttgt tatgtttttc atttttaatt 60
 gtaatgttag ttttaggggg aatgtatttt aggtaaaatg tgtaatagca gcttttgata 120
 ttgtaattgt tgttttgcgt aagaatttgt agtaggaagt agcttttgta gtgtaatagc 180
 agcttttgtt gctactgtca attgttgttt tgctgaagaa tttgtaatag gaagtagctt 240
 ttgtagtgta atagcagctt ttgttgctac tgtcaattac ccatttcaat taaatataat 300
 ttgttggtga aatttgttgc tgaaatttgc agtgtattaa atataattta ataaaagata 360
 gagaattatg taataagacg cagctcataa tgtatgttgg gatggattgt actactccaa 420
 ct 422

<210> 26750
 <211> 375
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26750

agttttacat atttccaact aaaatgggtc tgtcttgcaa taagattgta cttgtttgat 60
 gatccagatc atatgatggc aatgaagatg atcaaccaag cactgtgagg aaggggaaaa 120
 taaagtcttt cacttcttat tgtggtggac ttccatctcc tgaagctgct aacaatccat 180
 tagcatataa attcaggtac ttcttggaat gtctttgtca aactcaagag taaggatacc 240
 gaattatgta ttttaattaga catgatttat aaaacatttg aatatcttag tgtaagtttc 300
 caaaacccaa tgcttttgaa ctctctgctn tgtagtattt tcatctggct aaccattcaa 360
 ctatagtatg tcaca 375

<210> 26751
 <211> 432
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26751

taaataggag ggatagaagg gaaaacattc atatctgtaa gcagttggga attgagcatt 60
 gctctgcaga agaaaaggga atccctttgt gaaggggaaa ccctagccca gcagagaatt 120
 ctctccttct atgtcattca atattcaaga acagaagcat ttttttatct ttcttctatc 180
 ttttcacatc tctctctcta aattcatatt ctgtttccgg atcataatag tatgttcaaa 240
 ttagtttaaa aaattacaca aactatagat ttagaccgc atgttatgtg gttgatcaac 300
 aaactatgtg tcgtcttatg ccattgctnt tcctagccta gttctgaggc ttatgaatta 360
 atgaattcca caagctacaa taataaggaa aaactcacat tatgggcatt caagaaacaa 420
 tttaactaca ta 432

<210> 26752
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 26752

agctttatcg tctcccgtat taactctcgt atctgcatta agcttaatgc aatttggctg 60
aggagcctac caatacatac catcagagtc atccccctct agcccatctt gtcgatcatt 120
aacaagcttt gcaccatact ctgggctcgt tgcttgactt taaacatgat attgttgctt 180
tcaccctacc atctattatg gaaaaccaac ttattttatac aaaaccatat atagtcaatg 240
gttatcacia aaataactag ccaatccttc tgcgtattcc tacacggatt gacattagtc 300
tcgatcctat cacacacaac atcactatta aaattagtaa tagttctccc attcaaagct 360
ccccacact t 371

<210> 26753

<211> 433

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26753

ntctttacag cagtggaggt tactatatct gtcatttgaa tcggntgccca accactatcg 60
gggccaagga tctgcagaac acaattttga aacataattt cctaagcaaa atggctccat 120
cgcacaacgg aaaatgataa aactagaagg catagtacta aaagaagtaa ctgttttttg 180
agctaatagca agccaacatc tggttgtatt tcacaaaaag tgcatttttg ttcggtaatc 240
cattcacgtg tattttctct atttcaatta aaaaaaaatt caaatcacga ttacaggtaa 300
aattaacact tccacaaggt cagcctagtt atccaacatt acagattagt angtaaaagt 360
acttttattc ccacataagt tcgcttgagt tntaaaataa catagcactt ttgaaaatga 420
tatattttca tgt 433

<210> 26754

<211> 260

<212> DNA

<213> Glycine max

<400> 26754

ataaagcgac agagaagcat tttattttaa tactacaaag acaaaaagga ggaaaaggaa 60
aatcttgcac cgaaaaaaaa atagaaggaa aaacaaaagc aaatctcccg gcgagcgaaa 120
tgttatatta agtaatgaag acctatttaa gaaaaatgta agaaataatg cggaaaaaaa 180

gatgctgaag gaataaaata aataacggaa atattacgat gattaaaaaa tagagcacat 240
atgatgaaat ataccaaaaa 260

<210> 26755
<211> 509
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26755

acagaacgcc ggcatacgga nacaacgacg gcgaaggaga aaacaggatg aatcaannan 60
nnanaagaga gannattgag acctgagccc tcgaaaanca nannactnag aaacggggca 120
ccagnagaaa acaaaaagan gcacgcgagt tatgaacatc tagcatggag caaacaacgg 180
agaaacgccg gccggaaaaa ccggcacaca caccacgccg aacaaaagga cgagaaacgg 240
aaaacaaaac ccgaaccttt tccccgcccg ccccgccctc agaaagtaat agcctgcaga 300
cctaccacgc cgaacacgac gcaagagagc gacaaaaaaa acgcacagaa agaccacacca 360
acaagccaag caaccaacac aagaagagag aagaaacgcc ggagagacaa agaccacacc 420
gccaaacaaa aaacccgacc gcaccacgcg acgagagaaac caacaagacg gacaagcaac 480
aaacgagcgc aaaagagcgc cagcacacg 509

<210> 26756
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26756

ggaaaatgag cattgaattc gatgcttgan aacnecgnenn gnggaanctt agagggacct 60
gcngcaagca atctttcatt tttcattttt taccngcagg gggactactc gagaggatta 120
ttccttatgc taaaatcccg aagcttataa ctaggagtggt agtatagaga atanctttat 180
ctgccccacc ggctcctgaa aanaatgtta taataggtat tatttggtatg tctcgattaâ 240
ttaattaaat tgtaagttaa tgatagctta cataatgaaa gaggcttttt gctcatataa 300
catcttgttt aaactgtctt ttctaaaaga ctagtatgtc ttagtgtgtt gagtccgata 360
gagaattttg attcttttaa agagtgatat tattaagtta ggacagcctt gtataaatgc 420

tctaccaact t

431

<210> 26757
<211> 559
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26757

cgccgcgcaa cacttcaccc nnnaaggaac agangtggat gacaaggaag taataatcac 60
aaaannanaa agcgacgagt ttgatgctn cgatacactg acacactcnn agaaacncaa 120
gcgggcgcaa gcgggaagca caaaaccgag cgccgacagt taatgggtta gacccgacca 180
cacaggccca aagaagaccg gccncacacc gaccaaacac gaaaaggagg agctgacccc 240
tacgcgggcg cagaacagcc ggacaggctg catcgaccat gcgagcccga accaagacac 300
caaaaaggac cactaacccc agccaaacac agaccagatg cacgaacgac cggcacgcaa 360
atcgcacaa cgcacacaga aggacagtac cggacagaag caaaacaaca ccagccccag 420
aggaccacga aacaaccaca ttcacctgcc caagcgaaca gcccgcacaa ggaggacacc 480
cgtcggccg agccaggccc acgacaacac ctaccaggca ggacacagac gcaacgacaa 540
ccaacaacac gacacacct 559

<210> 26758
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26758

gagaaaatga nctctgangc actcgtacaa cncanaactt ngaaaacggg gatcctgnag 60
aaccnaccta gaagcacgca agtttttagg gtttcttaca naaaccaagc accacagaaa 120
gtgggaattg ataatgtgga tatccttata taataacgca tattctttta ataatgtggt 180
ggaataaatc tttgtcgatt gattcctcca tctttatcag taggatatta ttaagatcca 240
ttgtgagttc ttgaacattg gtatattaat tccagctacn tataaacaat attaaaatgt 300
gagtgatata ttctaataata tgcaattata ttgaccatat caaaagagtc tcgtaacagt 360
ttcaactatt gtaccctcta tacattatca aaactataac attctttaat gtatttatag 420

ctagtacaat acatttaatc ataaactctt atatgtgaaa tatatgaaga gtttg 475

<210> 26759
<211> 342
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26759

ttcatcgcg c aaatccctct tataagacta ggctancttt attatcatta tcgcaacaac 60
atatggagta aacctaacc ccaacaatcc atccctgata acaaggatat tcattcttgc 120
ttctatcaag tattaaggct aaaatacatc tccaatgct tatggcacct aactatacac 180
accaattgtg atcagaccaa tagcatgcac aaattaagca ttgaaagaag cattgatcac 240
ataaagcaca actaattata catctaagta attacaacaa atgttcctta taaataccaa 300
acatgggagg ttatctagcc attacagaaa taccctaaca ca 342

<210> 26760
<211> 626
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26760

ggctcgacag cacaaaacta acgagcgagc ggagagtaat anaantatag nggcccgttg 60
acagnttaca catatctnaa nncnnnnnnn naaagaagga gctagnaatt ggaagacatt 120
gggaaaacan tcngcnannn ancanncnan nannananac aaagangnng caannggagg 180
gaaaacannn gaaaagagaa gaagagacaa ggtattgcna cgttatgccg acctaannaa 240
cncacagaaa cagcgacgag ggagaggacc cggcnataga ccaaanagat aactcgcn 300
acgaaaaaca gaagagagag acagagacag cgaacacgaa ccggaggatt nangacgccc 360
cgccccgccg cgggatgcag aaggatcgcg aaaaacgagg cgcgacaagg gggcacacac 420
agcggacggc gaagacaaag aggaaaaaca cacgacatac gacacgcaca gacgggcgaa 480
ccaacacgac caagaaacgg agagggcagc aagaacgaaa acagggcaga acacgagaga 540
gaaaacgaga cggacaacaa aacacacagc aacacgagaa aacggaacgc aaaccagcgc 600
cacaacgcag acaacaacca gagccc 626

<210> 26761
 <211> 320
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26761

ttgcaattta ctatanatcc agagctgagc ccacacccat ataaaaacta agctcacctt 60
 ctttgacaaa tacatgaaaa tacaaaaaaaa aaagtcccta ctacaaaaac tttccaaatg 120
 ccctgaaata caaggctaaa accctatact actagaaagg ccaacatata aggtccaaaa 180
 gatcgaaaaa atctattcta atatttacaa agaagagtgg acccaacctt gacccatggg 240
 ctcataaatc taccctaagg ttcatgagaa ccctatggcc ttttgtatta gctctagacc 300
 aagcatcttg gagtcttcta 320

<210> 26762
 <211> 349
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26762

taataatcta tggcttgaaa caagcctccc ttctatgnat ctaaagtttc atgatgtcat 60
 cacttcattt gactttgaag agaacatcat ggatcaatgt atataccaaa aggtcagtga 120
 gagtaagatt tgctttctgt gttaaactgt gatgacattt tgcttgcaac taatgataag 180
 ggtttgctat atgaggtgaa acaattttctc tcgaagaact ttgatatgaa tgatatggga 240
 gaggcattctc atgtaattgg cattaagatc catagggcaa gatctcgagg cattttgggt 300
 ttgtctcaag agacttatat taacaaagtt tcacagagat ttacatgaa 349

<210> 26763
 <211> 249
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26763

ggtttgcagt ttaatgttta caacggccgc agcnaatgcc ttatttacag aatggaattc 60

tatcaatata cctccaatct ttaatggaaa gggtcaccac tactggaaaa tttgttccac 120
ctcctcatcg aggtaatata tataaaatat ttgggaagcc atataaataa cggccctata 180
taccacaac cccttacaga gtttcactat atcggagttt atccagtga agcttatcca 240
tagtaaaac 249

<210> 26764
<211> 358
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26764

tgagaaatga acttgagcat gtacatcaag gncanangan nnagngccgg ggatactgta 60
aggtaactga gcttgcagtt gtttttaaga gaaccacga gggactagtg cgacgctcaa 120
ggtacataat tttataatca aatgtcgcat taacccatt tccgcgcccc cttattgata 180
agttatgta gttcccatte tcgattttac taccggttcc gaataatcca acgttaattt 240
gtatgtaacc tcaactattta ctacttattt agcttgagct catagtcta actatgaacc 300
tcaattcttg atcttcacta tcaagtaaatt ttttcttctc ttttaattctt attatatg 358

<210> 26765
<211> 548
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26765

caccccagac acccgacgac gatggcgtga cagaactana taacatanat aacanacaac 60
aaagaggggn tgttgattgc cttcgaatgc cngngacact atagaacact caagcggcag 120
aanncaannn cgagcggacc agaagactac ggtactcaaa cagacaaccg agcaggacgg 180
ggacggcgan cggatcacc caccagctcca caatncaagn gggagcgac acacagacaa 240
cgggactcaa acagacacca gacgataaaa gtgacgcgcc gcagaatacg ccaagagcac 300
caacaggcaa gaaacaccga annnaagcat tacgggaccc aaccagacaa tcgagcgaaa 360
agtcatggac gggagaactc gacgagagct gcattcattca acaacgagcc ggcacggaac 420
gaacgggacc gcaacagaca cccggagtaa cagtgcagc cgggtgaact agccgcgagc 480

gtccaaaaaa cacgcagagc gcaccaagag caaggcggcc aaccgacatc cgacgaaaac 540
gcacagcc 548

<210> 26766
<211> 134
<212> DNA
<213> Glycine max

<400> 26766

ctctgtgcta cctgagctaa ggtctttaag aagcggggaa agcaaaaacc aaagcgaaca 60
tccggagaaa aaacagagaa cgaacaaaac acacaagacc gcaagaaaca cgcaaaaagc 120
caggcaacaa gacc 134

<210> 26767
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26767

agtttttctc ttcattgtgan ntacaggatt gtgttaagga ctgagtcaat caataagata 60
ggtctttgtg tgctgtcact tctgttgaat catggtttta ttccaaactc ttgagttcct 120
ctgtttatct ttttaattgtg agaggatatc acgtttatgt aaacaagcct tataaattgt 180
aactccttgt ccacctgtaa cttgttgaat tgttaaattt aggattttct gtttttaaaa 240
aaataaaatc ttattgtatg gtatctatct ttattttgcg aattttttac ttatgcattc 300
tcttgtgttt ntttaaagga cggcctatga tgtaagctta tcagacgata gctggccaag 360
tgatgcttt 369

<210> 26768
<211> 423
<212> DNA
<213> Glycine max

<400> 26768

gtcattgtcc caatacacgg ttaagcaaaa ctgtattctg tgataaggct atcttgatct 60
aaagcgcgta atacttttcc ttccaaactc aactacttat atatatatat atatatccat 120
ctttagtagcaa tctcaaattc gaaccaaacc acaaacactt aattttctcat ctcatcattt 180

ctaattctac ctcttttctc ttgcactaac aatccaagat gaataccaac aacgacaccg 240
 aaaaaaacca atcatttcca gaagcacaag gagcatcatc atcatcatct tctccacca 300
 atgttgggac tgagaattgt ggaactcaca taatgggcac ccctgctgtt ccaagcagcc 360
 acccatataa caaaaaagca gctttacaaa gtggacaacc tctaccagtt cagtactacc 420
 atg 423

<210> 26769
 <211> 351
 <212> DNA
 <213> Glycine max

<400> 26769
 ttttagcttt ctactatttc ttaaacctca aggatcggtc atcttttttg gacgacgtct 60
 aatgttatat ttttcgatca atatcggcga ataatatatt tctgccgtgg tgatgctcat 120
 gtcttcctgg atgaataaat gggaacatgc cagtttttgt cgaaacaaaa ctteggatga 180
 gctctcacga aaaaacctaa ccggcctaaa tagtaattat atatgctaca ccaaaacaag 240
 aaaactttct actcgcgtaa aaaataccat cataggccat cgagcgtttt taacataaaa 300
 attgttaggt gcttttcatg accgatgtcg actattgagt tttttattca a 351

<210> 26770
 <211> 394
 <212> DNA
 <213> Glycine max

<400> 26770
 actacttatg tggcagggcg ggctatcttc ttttttttgt ctccaacgcg agctctgacc 60
 actgttcttc cttcctgcgg tgcttctttt catgtccgta tgagtgggct tataacctaa 120
 accatatttg ccacgatttc cttgggttct tatcaggcta cttatgccgc cattgacttt 180
 gcctaaaccc atcccgggtt cataaccgat ccccatcata acttgtgaca tcattaccgc 240
 cgcacagac agactagggt gcctcaaaac ggagtccact gatgaaacgc tgaccacctt 300
 catagactgg atagcggtta ctaacgattc ttctgcagct ttcaccttag gcatggacga 360
 tgggcactat accaagatat cttcctcgcc tgat 394

<210> 26771
 <211> 385
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26771

agtcttaatt attntagttt ttataattag ngattccatg aataaagata caacaattga 60
 ttttaagaaa agggtaaaaa aaaactttta aagggtgagta caattgattt taagataaaa 120
 cacaaaattt tggaaaacaa ttatatttac ttttcaaaaa tgattctaata gtatcatcta 180
 aataaaatca tttattctac atttattttt ttaaaaatat cctcaaaata taaatcgaaa 240
 ttttttagcat taatgctttc aagatcaatc ctaccaaag ctaaagcaaa caaaccaata 300
 tgattcactt tgctaagag cacaactgca canatatgaa aagactgaac cgaagatnga 360
 acganactgg acacataaaa tttgt 385

<210> 26772
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26772

tgtgttatct tcattgtaaa aaanaaatta ttcttggttg ttaaagctat gatgatatga 60
 gtggtaaaat aactagtcatt gtgaaaactg tagacagtag tctttcattt tctgtaaccc 120
 tctaaaacga ctgcccgttt aattattttc ttcaggaatc aaaagggtgag attccatgta 180
 agctcttctc tttattcttt attggctagc caggtaagat taatatgttc tacaactcat 240
 gtgggttcct ttttatcatt tgcaaccctt acttcttcaa gcaactatgt tttatttgca 300
 accttttttt atcatttgca ttgctattga gcttgtgtat taactaatat gaactatgaa 360
 gttatgtag cttaatcatt agttttaact caagtttgaa tttgaaatat gactngtta 420
 aatat 425

<210> 26773
 <211> 372
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 26773

agttttgaat taattcagaa cgaccttngc ctgtttccaa gcccatatgt gtccccaatt 60
cccatattgc tgggcctctt ccagcaaatg attgttgcaa acaattttac ttttcatttt 120
ccttctgctt ctaattgatt gtgggtttta ctttgattct gaataacatg tgatggccat 180
atctttgact ccttctagcc cttgagtttc ttctgccacg ggttcaagct ggggggcttt 240
gtagtgaac actctctgtc ttctgtagac tttggagtat ttttcacgct ttccattacg 300
ggattgcgct acataagtgt agccatcctt attactctct tcattttcca tagtaggccc 360
gagctatcac tt 372

<210> 26774

<211> 409

<212> DNA

<213> Glycine max

<400> 26774

tatatagaag taagtcaata ctttaatttt ttagattttat tttggaaggt ttcctgccc 60
atagatagta aggatcgagt cttgcgcaa tgggtcccaa attgggaagg accgtttaaa 120
ataattcaga tctattcgaa tgggtgcttat gagtttagagg agctaacccc tcagaaacgt 180
actttgagca taaatggtaa gtatttgaaa aaatataaac caacactgct cgaagttaaa 240
ataagcatag aataagagaa atacgggaaa catataaatg gcgataacag taaattgcca 300
cgaaagggca tgtgtcaata ttacatcgaa tagtagaatc gaaatacaga atttcaaata 360
aagaaattat aagttctact aatgcatgac caaagtctca tatatgttc 409

<210> 26775

<211> 376

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26775

agcttgaatc tttgtctatg tctagaagta gttgcttcat tctccatctg gtttattgcc 60
ctcttcatga ttctcttctc cctagaattg ttgtanggat taaagcgcat gtccctatga 120
tcttgatgaa atcagttggc ctcatcgta agttaccttg acatgcaaca tcaaggcttg 180
tcctgttgtg agaagacaat tcaccataaa atatatgcat tatgctntgt tgattgaacc 240

catgatgtgc gcaactcctg atcaactcct agaatctttt gtggaagcaa tgacttccaa 300
gattatTTTTg atgatgcaa agaatcaaga gttaagcaag tttcaaagaa tcaagagtca 360
aaaagcttca agaatc 376

<210> 26776
<211> 402
<212> DNA
<213> Glycine max

<400> 26776
ttcacacttc catgtcgaat aggcaataaa ccttcgcttg atattgatcc tcctaagag 60
actatgcagc tccttcttgt tttgaggtgg cctcacttcc aacattgctt tagctttatt 120
tttatctgtc ttgattcttc tttgatggaa aaggaaaacc aaaaagtttc cagttgatac 180
tccaaaagca catttctcaa gattcatttc taagtttatg aaacctcatc cttaaaagag 240
aatcttccaa atcaccaagt gtttttcaaa attggatgac ttaacaacca catcatcaat 300
gtaaacctcc atcaatttgc taatcaattc atggaaaata acattcctag cccattgata 360
ggtagctcct aaattcttca aaccgaatga cattaccaat ca 402

<210> 26777
<211> 379
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26777

agtttttgag ttattcaaat ggtcataact tttcactcgg aggtccgatt caggcgcata 60
ataatcgcag acgctcgaaa ttgaacaatg gaagctcttg agcaattcaa atggtttaac 120
tttttactca gatgtcctat tcaggcaaat aatatatcga gacgctcaaa attgaacaac 180
agaagctctc gagaaattca aatggtcata acttttaact cggaggtctg attgaggcgc 240
attatatatc aagacgctcg aaattgaaca atggaagctc ttgagcaatt caaatggtca 300
taacttttca ctcggaggtc ctattaaggc gcataatata tcgagacgct cganattgag 360
caatggaagc tcttgagca 379

<210> 26778

<211> 410
 <212> DNA
 <213> Glycine max

<400> 26778

tccattgttc aatttcgagg gtctcgatat attatgtgtt ttaatgagac ctccgagtga 60
 aaagttatga ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120
 atattatgcy cctcaatcgg acctccgagt caaaagttat gaccatttga atttctcgag 180
 agcttccggtt attcaatttc gagcgtctcg atatattatg cgctgaatc ggacctccga 240
 gataaaagtt atgaccattt gaattgctca agagcttcca ttgctcaata tcgagcatct 300
 cgatatatta tgcgcctgaa tcggacctcc gagtgaaaag ttatgactat ttgaattgct 360
 taagagcttc cattgttcaa tttcgagcgt ctcgatatat tatgcgtttg 410

<210> 26779
 <211> 403
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 26779

agtcttatca ttttctctac ttgaagcagn ncgaactaaa acttttgtca ctttccactc 60
 anntatctgg cttcacant taaccagaac ttaacaccgc cgacnaacaa cgtcaaggga 120
 aatcttgcac ctgagatata aagggtttctt tgaattagtt tgcaatgtat catacatagg 180
 ggcatgtgct tgctgaaaag actcttgtcc aagggtcaga atcatatcct ccaagagatc 240
 tcccatttct acattaaacg gttagagatt ggacccactc tgcatgtctg tcaattcact 300
 atgtcatatc cacgtcgtat aattcttctt aatttcatca cacaacatag ctctatcaaa 360
 atgctcattc tcaactagag caagtgttnt tgtttatctt ctc 403

<210> 26780
 <211> 437
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations

<400> 26780

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actaagatcc aacctatgaa ttagccacaa gtagggaaat gccctctcaa cataactaac 120
ccatagtaca agtaacaatc tgaacggtaa ctcaacaaca gtcaagtgag catggagccc 180
ctcaataata gtcatcaaga tgcccttttag ccctatgctt gcataggctc gggatatagag 240
cccaaaagtg tgcgaggtaa aagtgacaat ggagtgtgtg tggggaacat acaaacctca 300
taatcctaaa actacccgaa tntgtaaaag gaaaaaacia aacaaaatat acaaaatgcc 360
ttttatccta gagtgcata taatgtttat aaaataaaaa tataaccaag atatataaat 420
aaaagaactc atacaac 437

<210> 26781
<211> 363
<212> DNA
<213> Glycine max

<400> 26781
agcttcttag tctcacctga tgaattcgtg actacttcat gcactcttct aatgacaata 60
tcatcacttc tggaactaaa ttgctgggag tttgaagcca tcttctcccc aaatttctgg 120
ctccagcagg ggtcatgtct ccaagggctc caccactggc agcatctatc atacttctct 180
ccatgttggt gagtccttca taaaaatatt ggagaagaag ctgctctgaa atctgggtgt 240
gatggcaatt ggcacataat attttaaato tctcccagta ttcataatag ctctctccac 300
cgagttgtct aatacctgaa atattctatc tgattgtcgc ggtcctgaag cagggaaatt 360
ttt 363

<210> 26782
<211> 431
<212> DNA
<213> Glycine max

<400> 26782
gtgaagagaa agaatttgaa tgatgagagg cttcatatca tgaatgatgc ctataaataa 60
gagaatacat gatgcctata aataagagaa aacatgatgt aatcaggctc cacaactaga 120
atcaatacaa atttaccttc atccaatatt tccattatgt ttacttgatt ttattgcttt 180
catttacttt cctacacttt atattactca tttatttatt tttcctttac cacactgtac 240
ataggaatat catgcaaaaa tagaaacctt aatatcacac ctactggaaa atctgttgga 300

<210> 26785
 <211> 362
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26785

agcttgcttc tacaagctcc atctttgtga tgatgacaac cctgaaatca ggacacgcat 60
 acacattctc ttatctagtc gaacactgac ttaattctcc atattctccc cttaggaggt 120
 gagtgaacc taggctcgaa atacatggat tgaatgatat gagttcttga ttttaattcct 180
 atgttctctc cccctttggc atcaacagaa agccaaagtt cgaatgtgat atataaacca 240
 tacatcaatg actaatcgtg ctagagaata gcactctatt aaacaagatc tcatagtgtc 300
 ataccctaga ttcgtccggc gatgattact ngatgacatg caataaaaga agtcccgaga 360
 cg 362

<210> 26786
 <211> 357
 <212> DNA
 <213> Glycine max

<400> 26786

tgctgggtg gctattgtgg aggggtgcac gttagtttct taatgaggtc ctttaatggg 60
 gattttccac catggagatg cagcggctta caaaggaaaa aaggtagagag gaggcgccat 120
 tcagtatgga ataagccatg gtagaaggag cttcaccgcc atgatgagcc ttggataaga 180
 tgcttgaga ggatgcttca ctggaggaca ataaagaggg agagaaagag agatggggga 240
 gcacagattt gttagaagaa acagagagag atgttgaact ttgagttgtg tctcacaaga 300
 ctctcattca tcatagtttc tacaagtgtt acgcatgctt ctatctatag actatgt 357

<210> 26787
 <211> 384
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26787

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 gccagtgaga ggagtggcca aagaattttt ctttttggtc atatccttat gggctgcctt 120

tataaactca agtggggttg catatttgga gtcactaagc tctggaattg aaacatgcaa 180
aaaggcatat tgattccccc atgcagaacg actattggtc ttctcaatca tctccttaac 240
agacttgtaa ccttcaatgt ttcttggtt cagcaacacc aatgctgtgg attgtgtttg 300
gcttgatttc agattaattt cttgcatgta tagccgaatg ccaaaaaaaaa ttactccagc 360
aagcacatca tttatgctct tgta 384

<210> 26788
<211> 432
<212> DNA
<213> Glycine max

<400> 26788

tactcagctt cgccatgtag agattggaca ttctctatct catattgatg gagattggct 60
ccatatatgg gaaaccgcaa gagtccaatg ggaagaactc ttgttgctta tcatggcggc 120
gagaagaata agaaataaga gagatgaagg ggaattgcga ttcattcttc caaatgaaga 180
aggaggatcg ttattgccct agaaaccta taccataaaa gaatactttc ccctacggat 240
ttcattcact gacttggaat atatgcaatg taccagggtg aatcttatga aactaggaca 300
ctaataatat tggaaactcg gaaactaata ttataacgca tatattccgg atactaatta 360
tatgcttaac aaactatata tatgcttacc taatatacaa taacaaacta tattcacata 420
tatcttatca ca 432

<210> 26789
<211> 386
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26789

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ttaaactctc tttctagtgt gttacatgta tcttaggggt aaaacagtat aaaatcttct 120
tgcattatct tctttctctc cgtctttact atgcactggc ttgattgct aagtcata 180
attgttttca aactatttaa gcttgaacac tcttttaaaa atgaaataac aactgagcct 240
ttttaattaa acctggaaac tgaacaatct ttttgaaaca aagctctaag ttgataagaa 300

cctattttta gaaattgttt gaattttcat tgagcttata accattcttc attctgaact 360
aattntataa ttagaagttg ttttca 386

<210> 26790
<211> 435
<212> DNA
<213> Glycine max

<400> 26790

tcacatgag aagatcttga acttccattc tcttatctta tttacaatat ttttacatac 60
atTTTTTTTc tattcctctt tttgtttgtt acattttttt ctccattcct ctttttgttt 120
cttacatttt tgatagaaaa catcagtagg aatagagttt catatgtata ttacattgac 180
aaaagactaa gaaacttagt cattgtatct aagattctat taattattat ttttcctcaa 240
aattattgta aaattaacac tattttcatt atctttaatt tatttattta tcccacaatt 300
tgttttcaaa gattgacaca tactgttggt cccatttttg aatcttgaca gatattcttt 360
tcgacataaa atcgaatatt tgggtgcttga ttgtatctag tttgaaacgg gcttgccggc 420
ctctaaccoc tctaa 435

<210> 26791
<211> 353
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26791

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taatatttaa attttattta taattacttg tcactcttaa aacacgataa taattttata 120
gttggtgatt ataaaaaaat gataaaatta aattttttta actttaaaaa atgatataat 180
aatgacaatt gataagttaa atatcgtgtg tatcatgggt gttaaactct cgatttaaat 240
cgtaaaatct tacgattnta cgattctact aagggttgac gagttaaatc ggaagtagaa 300
tcgaaaccgg agtagactct tncgattnta cgtagactcg gacgagtttg ggt 353

<210> 26792
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
 <400> 26792

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tcacacatgc ttatcaaaat aagcttatgc attgactcat cctatgtcat gtatgaaatt 60
caactttttt ttaagagtgg caatgatcaa actcttaa attagtcat acaaattctg 120
ataccatgtc aaagacgaat acccaaatac ttaatatgac atgggtacag caatacaata 180
caacacagat gcaagaatac aagaatttcc taaaaatcca agatatgata cagcctacta 240
gatacattaa catgaactaa aacaaaattt cacataaatg cataatattt aatcatttat 300
cattaatata taattatatac aggggatgat tatcataatt tatttaaaaa atacttctga 360
tcataacaaa aaccataatt acatnatttt ccgttgctcg tgtcaaaata tattctgtcc 420
ctatgaacat accac 435
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<210> 26793
 <211> 546
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26793

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agcacacgac cgcggaacga caaaacaatc ggccagccga cgcaccgcca gacgatgngg 60
gaaaaatnaa atanaacaaa gagnnaaaat gaaaccttgg aaaatcgcag acatngncaa 120
accanangga nnaaaagaga ncggnacgag gggaaacnan agagacgacc tgaacgcatg 180
aaagttataa gggacaagag agggcggaag gagcgaagaa cacacaccag ngaccaacca 240
agagaacgaa aaacgacgaa gaaaagggag agacacaaa ggcccacccc cgcaacaaac 300
aaacnaaaag aaaacacagg agaccaagaa agcacggaaa cacgaaaaag cgaaccccga 360
accgcaccga ggagcagaac aacgagcacg ccacggcgaa gaagaaacac acaacaaacc 420
gaacgaagac aagacacaac gcgaaacaga aaagaccca aaacagagac aacgaagaca 480
aaccgggaaa agacgagaca acccaaaaag caacagagag aagggcacca aaacaaccaa 540
gcaacg 546
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<210> 26794
 <211> 425
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26794

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 ttttgatgag atcatttatc ctactgagca atgtgggggc ttctttccta atgctagagc 120
 taatgtcttt ggtagcatga ttgatgtgtg tttcttggtt gatgtttact ccatcagtag 180
 ttttttcaact tggtaaaaaa ggtgtagaaa taatgttatc atctcccgta tgttggataa 240
 atgcttgact agtgatactt ggaagaatat gtttccta atgcttatgtgg aggttctttg 300
 caggatgcat tcaaatacata atcctctatt cttgagatgt gatcgtcaag agaataagagg 360
 tgtcaaacct tttatattcg aagcaacgtg aaccactcac ccacaatata agattgtggt 420
 tgcta 425

<210> 26795
 <211> 381
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26795

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 aacatacatc attgaatcag gagaaagaaa atgcagtggg gtcggtgtca tagaacgaaa 120
 agcataggaa aaatgcgtta attgttttaa caacaagctt gttgatcttg ttgagatgag 180
 ttctgattct catcaacttt tgtaaacactg cagaaaaaat taatcatcaa agaagataga 240
 ataaaaggta atataaaata gaaaacacaa agttgaaatt gataaatatt tcaagtatgt 300
 tagaacttag aattgaagct agttggttta taagttataa ctatatcaac tgaattatnt 360
 ttttctaact gttactttct t 381

<210> 26796
 <211> 444
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26796

ntcaatgctc ttaagcaaaa gttaaccaat gccccatcac ttgctttgcc aaatttttca 60

aaatcttttg aaattgaatg tgatgcttca aatggtggga ttggggctgt attgttacia 120
 gaaggtcatc taattgctta ttttagtcaa aaattaagtg gtcctaccct taactattct 180
 acttatgata aggagttgta tgccttagtg agagcgttga aaacatgaca acgctatctt 240
 tatcctaagg agtttgtgat ccatagtgac catgagtccc taaaatactt aaaaggacaa 300
 gctaagctaa acaaaaggca tgccaaatgg gtgaaatttc ttgagcaatt tccttatggt 360
 attaaacata aaaagggaaa aggaaatatt gttgcggatg ccttgtcaag gagacacttt 420
 ntgctntcta tgcttgaaac aaaa 444

<210> 26797
 <211> 365
 <212> DNA
 <213> Glycine max

<400> 26797
 agttttgagc tttaatcctg actcaccata aaccttgacc cagggtgaga atgtcaatcc 60
 ttaccctcgg aagcgaaaag aatagaaggg aaatttccaa tcgaagaaaa ggaacacgga 120
 agatttccaa tcaaagagaa agcaaaaaaa gaaaagaagg aaaattccca atcaaagagt 180
 gggagaaaagc aaaaagaaaa gatagaaaat tcccaatcaa agaattgggag aaagtaaaaa 240
 aggaagaaga agaaggatag aaagctcctg atcagggatc gaaagaaaac agaagatatg 300
 tgcagaaaagg tctttggacc ggacaatatc tgaataatac agaattgtca ccacatgaac 360
 aaaaa 365

<210> 26798
 <211> 423
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26798
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 gcctctggag tgggagttgg agctgtattg ttacaagggtg ggcaccctat tgcttatttt 120
 agtgaaaaac ttcatagtg caccctcaat tateccacct atgataaaga gctttatccc 180
 ataataagag cctccaaac ttgggaacat taccttgttt ccaaggaatc tgtcattcat 240
 agtgcacatc aatcactaaa gtacattaga gggcaaagca agttaaacia gaggcacatgca 300

aatgggtag agagccatga ggggtgggctc atggggccact ntgggataga caagaccctt 360
gttttactca nagaaaaagt ttattggccc catatgaaga aagatgtcca taagcattgc 420
act 423

<210> 26799
<211> 384
<212> DNA
<213> Glycine max

<400> 26799
agtttgacta gttgggttta tttgggggtga tttttgggtc tggatttta gaaagggtta 60
tgttatgttt tatttttatt taattgattg tggagatctt aaatcttggg ataagaaggc 120
ttatgttgtg ttttgttttg ttttaatcga ttgtggagat cttgaatatg gagaaaagat 180
ggatttatgt tgtgttttta ttttgtttta attgaatgtg gagatcttga atatggagaa 240
cttgaatttg agatatcatt catgtttcta tctttttaac ttcaattaat tttgacatgt 300
tttaaactgc caaaaaattg taatttgatt ttctgaatga atactagagg gtttaaaaac 360
tactgaaatt gtaatttcgc aatg 384

<210> 26800
<211> 439
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26800

tgtgcctatc catttcctgg tcccaaaaat accatctttt gtatggtacc atgtacctca 60
cacaacattt gaagaagttt cgtgctcatt tgataatgaa tgggtggaat gatgctctct 120
aatgtatgtt ttctgtagga accttatcag gtgttgcatg ggattgggtt agtgggtttgg 180
ttgatggacc cattgctcgt tttgatgaga ttttgagttt gttcactgtc agtttgtagc 240
taacaaagag aaaccaccaa caataaccaa tctatttgac atccatcaac aggtaaccaa 300
gtcactaaag aacttcttag ctcatTTTTAA ctcaattgca gtacagattt tagaccacaga 360
tgagagaatg gttgtggcat ctntctacaa ggggtttacat gtangaccgt ttgatgagtc 420
tttggttaga caaaagtca 439

<210> 26801
 <211> 393
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26801

agtcttttang atttaaccat taaaactaag gtagttccta aacaaaaatc aattgaggaa 60
 gcttcgccaa gtatcccat tgaaaaacct ttattcaaac ctttcaaagt tagtgaaacg 120
 ctaaacaaaa aattagggaa cttagaaaaa ctaaatacctt aattgaaggc gtaggtgaca 180
 atcatagtga attactaaac aagattggta gtttacttaa ggtcattcca gatactcccc 240
 aagcctcaga aaatacatcc aaaatggtaa caagaagtac ctccaaatta attaattgta 300
 ttaatgaaga tagtgaccaa aactcagata acacaactga gatagaatca gtgtcagaga 360
 aaaatataaa tccaattaat tccaaacact gga 393

<210> 26802
 <211> 436
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26802

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 ttttaggaatt gaattacacc atacgaaagt tcgcaagctg caaataaaaat ttaatgaaaa 120
 ttaatataaa gattaaaaac atatttttacc aacctcgatt attagttatt ctataatttt 180
 gctgtatgaa tataatattg atgaaaaacg ttaaatacta cattgttttg atgcaagttg 240
 ctatacttct atgtaggaga tgttttttaa tatgaaacga accaatctaa tcttacttta 300
 tgattagttc atatcacatt tttttaatca ctttttaaca cacaatatgc caatagagtg 360
 atgattattdt gtgatgatca gggttaatta ttaattacct tgacgtatat atcaatgcat 420
 atgtctaggc aatcat 436

<210> 26803
 <211> 371
 <212> DNA
 <213> Glycine max

<400> 26803

agcttccaag atgcaactgta ccttaacaag ctccaagtta aaggcgaggt ttatgaccc 60
tctgtgaagg gcccaactggt caccctcgag gccacaaaag ccctgtccaa agagcaactc 120
gactgacggg tgaacggaac ttccacatac tccccgcgog tgttcatgag cacctcctta 180
atcatgtccg gttcgggttac cgccaaccgc ggcgtcgaa cgaaccagta caagaaagtt 240
ttcccatagc cgcgagacca ccggacgtag aatggagcca cgcgtcccat gatgtcgtgg 300
tggaacggag gaggggatgc acttgccctc gacttggtt ctgcgtagag ccgtcggatc 360
tctgatgtat t 371

<210> 26804

<211> 406

<212> DNA

<213> Glycine max

<400> 26804

cagtagatga agatgaatcc gtggccttct ttggactcct ctaaggacaa tagcatcatt 60
tcttgcaactg aattgttggg agttggaagt catcttctca atcaaattcc accactggca 120
gtatcaatca tactcctctc catgttgcta agtccctcat agaaatattg aagaaggagt 180
tgctcagaaa tctggtggtg aggatagctt gcacacaatt tcttgaatct ttcccagtac 240
tcatacaagc tctctccact aagttgctg atgcctgaaa tgtcttttct gatggcagt 300
gtcctagatg cagggaagaa tttctccaag aacaccctct taaggctatc ccagctgata 360
atggacctgc gagcaaggta gtagagccca atttttgcca ctccct 406

<210> 26805

<211> 371

<212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26805

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tttaacatca aagaatgcct gttgtttatg cttgtgcctc ctccataacc aagtccaaca 120
ccaagaacta tcaagctgag gcatcccaaa cttaaacc aaaggctatggc cattttgtga 180
gccttttttc tgcctgatgg caaagcatct agggaagcaa agagattttc tatcaacaat 240

[illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible][illegible]

ttgcctactg aacctaatcc acttgtgata ggcggagaag accgcaagat cttacaccaa 180
 gtccttgagc gtcctgtac actgtatagc atgctatagg gagtcactga agtatcgaaa 240
 aacaggcttc attgcaacga tgctgcgagg acaggcgcta tgattccatg aatgagacgc 300
 ctatcgtagg gtagccgacc tgtcatatgg tcacttatga gaggataata aaaacaacct 360
 catagtcta tcaaggggaa gagctggaat cctgcagacg agcacaacgg tcgagcacct 420
 gctattatca ttagcggacc aggcactgga cgctcttccg aacgctgcaa gagcg 475

<210> 26811
 <211> 381
 <212> DNA
 <213> Glycine max

<400> 26811

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 agagagcaag aaatgaagag ccaatgggtg atacatggac ggagataaaa agatcatgag 120
 gaagcgggat gtgccggcta gttactcaag ggacttgaaa ttcaagctcc aaaaactaac 180
 ccaaggcaac aaggggggtg aggagtattt caaggaaatg gatgtgctca tgattcaagc 240
 aaatattgaa gaagatgagg aggtaactat ggctcgattt cttaatgggt tgactaatga 300
 tatccgtgat attgttgagc tgcaggagtt tgttgaaatg gattatttgc ttcacaaaagc 360
 aatccaagtg gagcaacaat t 381

<210> 26812
 <211> 434
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26812

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 attcgtttaa aatgcgtaaa gatagatcag taggagaaca attggacttg ttttaataaat 120
 tgattctaga tcttgaaaat atcgatgtca ccattgatga tgaggatcaa gctttgctat 180
 tgttgtgctc tttgcctaag agttactctc atttcaaaga gactttactg tttggaagag 240
 actctgtttc tcttgatgaa gtgcaggctg ctctgaattt aaaggaattg aatgaaagaa 300

<223> unsure at all n locations
 <400> 26815

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 cttgaggata gagacttccc aagctattta tcttctctct tagcaggctt actcaagctt 120
 gaggatagaa acttctcaag ctatttatct tctctctcag agaggctctc taactttcta 180
 gctttctcac tccaaggagt ggattcactc ttgtctcttg gattgactca ctctatggtg 240
 gttcactcaa gcttgaggat aaagacttcc taagctattt atcttctctc tcagagaagc 300
 ttactcaagc ttaaggatag agacttacca acctatntat cttctctctc anagaggctc 360
 tctcatgctt g 371

<210> 26816
 <211> 425
 <212> DNA
 <213> Glycine max

<400> 26816
 actcagctta tagtgatccc tttcagaaga aatgttcttt attgatcact cttactgatc 60
 aagtcatttt caagaaactt tgcattcctt gattccacaa tcttagtggt gtgggatgga 120
 caatagaacc tatacccttt agacctttca gcatatccaa tgaaataccc agtaatatct 180
 ttagggctta gtttcttctc ttgtggatta taaattctta cttcagacag acatccccaa 240
 atgcgtatat gtcgcaaact tggtttccaa cccttgaata gtcgaaaagg tgtctttgag 300
 acaatcttgg ttggaactcg gtttaataata tacgcaaccg tcttaagagc atcaatccaa 360
 aaaaattgag gaagctttac attactcctt atgcttctca ccatgtctaa taagggtcga 420
 tttct 425

<210> 26817
 <211> 374
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26817

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 cttaccctcg gaagcaaaaa aaagaaagaa aggaaatttc caatcaaagg aagaacgaga 120

ggagaggaaa tttccaatca aagagaaaga aaagaagagg aaaggaaatt cccaatcaaa 180
gagtgggaga aagagaaaaa agagaaagaa aagtccaac caaagaatgg gagaaaaaga 240
aaaaagaata gaaagaaaag tccaaccaa agaatgggag atagtaaaaa ggaatgaaag 300
aaagtcctga tcaaagaaca gaagnatgtg cangaaggtc tttgaccaga catatctgaa 360
catacagatt gtca 374

<210> 26818
<211> 441
<212> DNA
<213> Glycine max
<223> unsure at all n locations
<400> 26818

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cctttccttg ttntgaagct cactacaagc cttaagtga aaaccatgat atcaccgtat 120
ccttaaggaa ttttggagct ttggaattgt tttggaata agtgtggggg ggttttgttt 180
cattggataa catgttttgt tggctatgct tcatgatgta ttttgggcca cacttgatgt 240
acattgtata ttggttaatg ttggacatgt tgaatgagat gttgtttctc aaaggctaca 300
gagcaaaaaa aaaatcaaaa aacaaaaaga tnagcaataa agttgagtga ataagatctt 360
aaatggcaaa agaatgatga gactcttggg tctactctnt atgtttaaat tntatcttta 420
gttcttttta attttttatt t 441

<210> 26819
<211> 384
<212> DNA
<213> Glycine max
<400> 26819

agcttgggtga ttatgccaat ccagaaaaaa aaaaaaaaag gcttgggtgat gagccaatta 60
aactatgcac attgcattca ttaactaagg gttttttttg ttcttttttt aaagcaacta 120
ctcttgatc agtgagcttt ttttcaaatt acacataaca ttactttttt ttctctcaaa 180
ttacaaacat cttatatatt tgaaaacatt acacaaacac agtcagaccc ctaatatggt 240
ttactaacac tcctataaa ggaagtgtct ataatgatta aaaaaaaaaa caaaggatgt 300

ttgtgtaatt ataccaaact tcaggaggaa tgataagtgt atttactttc ttttttaata 360
 atttttgcta cgggtgaata atga 384

<210> 26820
 <211> 294
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26820

cattatcttc atcatgaatg aaagcaatgc atcattcatt gtgatttaaa gtcattgcaat 60
 gtccttcttg atgatgacat gactgctcat gtgagcaatt ttggcatagc aagacttatac 120
 tcaatcatca atgcctacca cttctaagca aacaattaca attggaataa aggggactgt 180
 tggctatgct cctccgggta tgttctaaaa tctaaactgg tgaatgaatc agnntttctt 240
 tgaatccctt atttttttat aaacacttta tatttactaa atacaaagta ttga 294

<210> 26821
 <211> 377
 <212> DNA
 <213> Glycine max

<400> 26821

agtctttaca gttttatatt agtaatgacc cactaaccta gaattaaaat aacttaatgc 60
 cattaaccta aggaattaaa ataacttaat ggctgtgtgt aactgaaatt gtggcaacca 120
 aagtcaccct caacagccaa caagtcagcc accatttggt ctcccaaat gctgatgcct 180
 acgttgtaa ttgggccctt attacaactt gaactaaacc taactaaagc ctttttagtt 240
 gattaacca aaacatattt ttggtcagcc aactttacaa ggattgggcc attatttaaa 300
 caaactaaac actctaaaaa tgaaacatag tgggtgcatt tagtcctcct ccatttgggc 360
 catgatacaa ctcacaa 377

<210> 26822
 <211> 441
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26822

acaattgtga aggtttgaga tcaaaatfff catcacaaaa aaatataaag aggcttaaca 300
cacattttgg tacacttaac acatagttaa gtgcacaaat cttaaagactt acaataaaaa 360
gggtcatatt ttcaagtacc attatatatc ttaagccact ctatatattgt acagtgctaa 420
aattttgatc tt 432

<210> 26825
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26825

agttttgtang attatgggggt acccatcaca tgtggtacta ggtggagggtc gggagatgggt 60
gcactacaag ttttccacat ccacaaatca cgtataaacc caccatccct gttgcccacc 120
tccaactgag ctacagtact cccacgtagc ccataatcctt gttcctctca acgtcgggtc 180
cccatcaatt ctcccaagct tccccaacat ccaggtaatt caacatccac tcatcacaaa 240
ctaacaaacc aagcaaaaca gggcaaagtc agaaaactct gcccaaaacc caaaccaaaa 300
tcacagctct ttctcactta gagaccccag taacatttcc ttctgttccaa ttctgttaacc 360
gttggtatcga ctcgaaaat 379

<210> 26826
<211> 422
<212> DNA
<213> Glycine max

<400> 26826

tcttacaagt atattcaacc tgagaacatc atagattctt ggcaaacatg caagccagct 60
gattactgga tttttttttt atcagcaaaa cacacacacg cacacacaca cacacattaa 120
ataaaagata gaaaaataat ataaggtaac aggggtaccc caatactgta tcattgcaga 180
ctcctaccac ccagctcacg ggtatacgtt atttatgcac caaatctgca taagtatcat 240
ctaaccactt gcatattaca gatcccatte gaccaatact aatacacatg tctgttagct 300
gcatattaca gattactatg tgctcaaata tcataacaaa caaactaact cccaagactt 360
ttgtgtcccc ctgcaacagc atgcgaaccc atgcatcaac ttctgtaccct ccaactaatac 420

ca

422

<210> 26827
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26827

agttttgaat tgngtgtcgn tgtcagtgac aatggcgtat gggaggccgt acctgcatat 60
gaggtgcttc caagtgaatt tttccacctc gttggtcgta atttcaccat tgggtctttct 120
tctatccact tagtaaaata gttgatggca actagtaagt acttgacagc tcctagagcc 180
tttggcagtg gtcccagtat gttctttccc cacctgnnga agggtaaagt ggagctaaga 240
ctgtgaaggt tgtcaggagg agtgtgtggc acgtctgcaa actcttgaca tcgtctgcat 300
ctcctagtaa agtcg 315

<210> 26828
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26828

agttctctca agaaagcttc tcttggtttt ctcctagtct ataaatagaa gcttgtgtaa 60
cacttgatgt aactttgatg aatgagagtc ttgtgagaca caactcanag ttcaacttct 120
ctcccttttt cttccttcaa tttcgtgctc cccctctct ctttctctcc ctctttcttt 180
tcctccattg aagcatcctc tccaagcttc ttatccaagg ctcatcttgg tgggtgaagct 240
tcttcttcca tggcttattc ccagtggatg gcgcgcctc ttacctcttc tcctttgtct 300
tccactgcat ctccatggtg gaaaatcacc attaaaggac ctcatgaag ctcanagatc 360
cagccctcat agaagctcca caagcaagct tccatcacat ggcaatttga tagaaatata 420

a 421

<210> 26829
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26829

agtttcgtgc tcttcgntaa tggctgcttg tttgtttttg gttccaaacg atccgtatgc 60
attatatgat cctataacgc atacggatca tctgattcgt atgagttcac acatcagtgc 120
ttgtcatatc aacaataatt atcttctcat tcttagtcaa ttgaccaatg tacggatctc 180
caactaatga cttggccaat tcatgattgt gactcccaca tattaatttc accatccaac 240
cttgccctcc aaccactggg tcccacgaa gcttgaaggg acaccncat ttctactgg 300
cagtatctct tctaacaaaa tctttcttcc tagacctata ctgaccactc ctttcacaac 360
caattaatac 370

<210> 26830
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26830

gaactgaana gcattactgn gcacgatgcc agnggcattc agtggatagt tggtatgata 60
ttacagctgc ctcaagaaca ctatataacc atcacatttt ataagggtct tcatcgtttc 120
atgttcactc aacaccttgt tggagttcac aacatatcag gagctgccat atctattccc 180
ttctctaaaa tactactttc tcaacttttt atgcttcctt tatagttgcc taaaatacct 240
tattaatcct atcttgttca aagcagcaaa aagtggcaac cacttggtta tatttgcata 300
taagacttan atatgttttt ggttcatgta agttagtatt ttttattttt ggtttctata 360
agtttagttn ttttaattnta gttctaataa gnttatattt tttcaatttt g 411

<210> 26831
<211> 185
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26831

ttctccttac gcactgtgc ggtattttcac accgcatatg gtgcactctc agtacaatct 60
gctctgatgc cgcatagtta agccagcccc gacaccgcc aacaccgct gacgcgaacc 120
ccttgccgnc gaatcgaata tcaactngtg taatgcatgc tataccaagt tattaacggg 180

caccg 185

<210> 26832
<211> 375
<212> DNA
<213> Glycine max

<400> 26832

agttttaagt acctcagtca ttatttcacg aggatgggct cgagactgtc acaagataaa 60
caaaaagtaa gtaactacca acaagacatc aagactacaa tttttctgac gccactatta 120
caaaaacaaa cagcttttag atataatgta taaacacttg ttagttcttg acaacagcaa 180
tatctagcgt gcacatatcc agagaggaaa taaagtacat aagcaacaaa ttcaacagcc 240
catactttta tacaacaaat ggaacaaatt aaacaaggac atctaacaaa tatttcctct 300
caaacagcaa gattaccatg agtgatattc atcatacctg aagcccaagg gcccatattcc 360
tttcaacagg gaact 375

<210> 26833
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26833

tgtgctctct atccaagact tcacccattn tttcatttcc atacccaagt tgcccaagca 60
agagcttttag gcctcccaaa aaaaagctcc aaattttgtt tagtactaat atatctcaga 120
aaaattattg taaaattata tttaaaaata aatttttaatt aaaatattat aagtaactat 180
taatctttttt attaataatg tagataacaa ttaataaaca ataattattt accaatatca 240
taattttttt agaaaaaaag agattttaata attaataagt aaaaaaatc aaattttttt 300
tattttataa ataaataaaa aatatcattc ttaaatttgt ttagatctt tcaatttggt 360
gagtcgcctg atccanaaca aaatcttcaa aaatcacaca cgattgtatc 410

<210> 26834
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26834

agttttactg gaaaagatat tgacacaaaa ccattctaca attccaatct taatacgaaa 60
aatgtaagaa aagagaacaa aaagatagag aacaaatagc atacaaccaa aaatgaaaag 120
tccgatttat ctgctataat ccaaaatgta tcatttataa atactagtcc accaaagcaa 180
ttaatgttcc caacttgaca atcgaggaca aataccatac aattaaaata aaaagtttac 240
ttatcattgt catatgacaa tgtatatatg cgtgaaatta aaactttatg tcacatgacc 300
gcaattcttt atcactagta tatgatnttg tcataattag atccttattt atttccttta 360
cgatctaatt aaacaaat 378

<210> 26835
<211> 319
<212> DNA
<213> Glycine max

<400> 26835
ctgcagctat cattttccaa tccctgtcaa tattcttcta taattgatgc acggcaaattg 60
ttcgtgacgt aattacgcgt acagactgta ctacagcctt tattagggat tgcaaacaat 120
gaacttagcg agtctatgaa cctcacataa tatcgtaatg ctcaattaat attggcctac 180
atagagtatt ctagactctg tggagctcgg acatccttac tggcatatga ctgacacaga 240
cactgcattc ctgtctataa gaatacaaat cttgagacct ggcattcaga tgtacgttgc 300
aggacggctg attcactat 319

<210> 26836
<211> 363
<212> DNA
<213> Glycine max

<400> 26836
attttgagct cactgttgct gaccacaaat gctccacgga atttgtcatg gccatgctct 60
tccttgcaag ccctcttggt ttcttggtca agggcttttg cggagctgca ttttcttctc 120
gtaacccgac aactctttc cggatgactg tagcgaccaa cttgaatttt tctttggcaa 180
gtctcgcttt tcctagtctg gttttcagag cccggacttc ttcattctct tctggagctt 240
caaaattctc ctcgttgata atctttaact tggcgagcca atctaaacct cgtgtacaaa 300

ttttcagcca ttcatgatag ccaccaatga tgccattacg aatgccctca agttctttat 360

ttt 363

<210> 26837
<211> 230
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26837

aaaagaanca cnagaggcac gcataagaaa gaacnacata ggactgatgt cctatntgat 60

ggagggtacg gaggagcaaa agccacgctt ttgtcgacct caaaaaataa aaagaaataa 120

agtgaaggga acacaattgc cacaattata ataaataggc tgttggtgctt caagacaaac 180

gtaagaggtg ctaatagctt actcaagcgt aaatacaact accgaactta 230

<210> 26838
<211> 361
<212> DNA
<213> Glycine max

<400> 26838

agtttccttg agaagtttcc ttgattcggg aacgccttgg cttttctttt attcttattc 60

tctttctcct ttcagtgttg tcgcaactta cccttcggcg agagcgagac gcggggatca 120

tgggtgcgtc ttccaagaaa ggaaaatgca cggagtcgcc accaacgttt atttgaggaa 180

aacgccggaa aaaccggaaa ggtgtggtct acgaacttta agtgtgaaag gttcgggagt 240

tgtatttacg cacggggaag gtattatcac ccacgcgcc cgtcacaagg gacgacaacc 300

tttaatcgag tgtgcaaata tgacttcaat ttggtttatt tcccatttac attcttatgt 360

a 361

<210> 26839
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26839

tccttaagaa gattcgtaaa gaagctagag cttagctaca catacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac accccctata atagctaagc 120
 tcacccccat gacaaaaaac atgaaaataa aaaaaaagtc cttattacaa agacaactca 180
 aaatgccccg aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240
 ttgacgaagg aaaaacctat tctaataattt acaaagataa gcgggctcat acttagccca 300
 tgggctcgaa atctacccta aggctcatga gaatcctang gtctttcctt ggatctctag 360
 cccaatctac ttgagtcttc ta 382

<210> 26840
 <211> 262
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26840

agttcaaagg cataatgatg ttgccatgtg tggatcagaa acaaaaactct taataaaatt 60
 ctaaattcttt gttggcacct gaaattcgcc atgaaattaa agttatataa gaatcacttg 120
 ctggttagact tataattatt cattnntaaa tttaataattt aaaagttata ttaattcaaa 180
 tattttattag aaaattatat tataagtgtg aaatgtttac taaatttggt gatgaattaa 240
 tattattgga caatatgaat ta 262

<210> 26841
 <211> 418
 <212> DNA
 <213> Glycine max
 <400> 26841

tactaaccca cttttctccc ttacaatgca tctataattt attacttaca gctcaggctcg 60
 tgaattccac gaccccgat gcacaatcac aaaagaaaat aaaaacaaaa attaaatcaa 120
 ataatagaaa ctaaataata ataataataa taataataat aagcacctct atcacgaaaa 180
 actaattttt ttttaggaaa aaaaaaagga aatcaaaagc taatcaccaa ccaatattta 240
 gaaaaggcac aaagagatca caacaaatta aatcaaaacc cagagaagtc agatacgtca 300
 caatgctaaa ataccagaca gaataatcta catgtggatc gttaaattga gcggtaagtt 360
 aaatctcacg agcctgaaca taacacagat aaagaatcct tcacagaatt caatcacc 418

<210> 26842
 <211> 335
 <212> DNA
 <213> Glycine max

<400> 26842

gcgttcacca caccagactc tctttacact taggcataat atccaacttg aaaactcaca 60
 tattggggcga tgggtcccaa aggctatcga ttccccagta ggctggccaa aatcagcaaa 120
 tgacttccat aatgaggcat gatctgggtc taagagtagg aatccatata tatgtgttac 180
 gaaataccat atgatagata tcaatacatc tcacaaaaaa aaagtcgttc atatttataa 240
 gtaagcaacc acaatatctc ccaaccttca ttgctgcata ttacaaagag tccctttgaa 300
 agggcaatat taacctttcc tcatacatct ttgat 335

<210> 26843
 <211> 360
 <212> DNA
 <213> Glycine max

<400> 26843

ggatgtgtac gattgtaaca attgttcttg aaatgcgcca tactgtgttg cttttataga 60
 ctctacatgt ctggtcaaga acaccatatt aagagttaca acctttagaa aaacttgaaa 120
 accattggaa gaggtacatc tttggatggt aattcaaaac ttatcactgg taatcgacta 180
 ccaaatacatt gttgatagtg cttatctcta ctgagtttat aaaagattgg ctaaagtttt 240
 gttaaaacat aggcacttag actatgaatg aaagctggag ttgcttgta tgatgtgcaa 300
 cgttatgtct aaaaataaga tcgggctgca caatgcacac tgcattacga aatgtcaaat 360

<210> 26844
 <211> 215
 <212> DNA
 <213> Glycine max

<223> unsure at all n locations
 <400> 26844

agctttgatg natgttatat tttaaatact agctgaaata tatacatgta tgcataat 60
 atttttttgg ttaacaaaa gtatatgagg tttcttattt ggcacacaac taatctccta 120
 ccggaggcta ttatgaagta aagtagtacc ttcagcagta actccatact atacatgtat 180

gcaccttgat ttctgtataat gaatgcacat atatac 215

<210> 26845
 <211> 435
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26845

cttctataga gcaccaacca gtccaatttg ccaatgacta tcgcatcttt tcgtcctttg 60
 tagnaaagat aaaacgaaag ttcgagtgtc gaattcacat gaaaattggt tgtacttagg 120
 taaatgaata ttttattaat aaaagaagt gactcgaaaa gctatgagaa gaacagtgat 180
 ttaaattgat agaaaattaa atcaaacaag agaaaaattt aaacaagaat tttaattgat 240
 taattaaaga gaaaatgaat tcaaaagatg agaattgtga aaagaactac tctttaatgt 300
 aatgttaatg atttttctct atttataatt attcgaattt atacctacat ttattagtag 360
 acttactcta tctttgatcc ccgtatgaaa gaatctaatt tatctatttt ctcttccaaa 420
 tccctttgca ttaag 435

<210> 26846
 <211> 370
 <212> DNA
 <213> Glycine max
 <400> 26846

agcttttgac ggactatacc ttgctctagg aaccagggac ggagaaagat ctatatatag 60
 gcttgctaag ggtagagaga ggaagactag agatttgat caagtaaagt gtgttaagga 120
 tgaagaaggc aaagtcttag tgcataaaaa agatatcaag gaaagggtga aggcgtattt 180
 ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240
 ggaccggaac tataagtact atcgctggat tcagaaacag gaagtaaagg aagcgttgaa 300
 aagaatgagt aatggtaagg cggtggggcc agacaacata cctattgaag tgtggaaaac 360
 tcttgagat 370

<210> 26847
 <211> 435
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26847

cagcttctgt tgttcaattt cgagcgtctg gatataattat gtctcaaatt cttacatccg 60
tgtgaaaagt tatgaccatt agaattttctc gagagcttcc gttgttcaat ttcaagagtc 120
tagatgagtt atgtacgcga atogaacatc tgtgtgaaaa gttatgacca ttcaaataac 180
ttgagtgcct ccgttctgca atttcgagca tcttgatata ttatgtccca aatttggaca 240
ttcgtgtgaa aagttatgac cattcgaatt tctcgagagc ttccattggt gaatttcgag 300
agtctagatg agttatgtac gcgaatcgaa catccgtgtg aaaagctatg accattcaaa 360
tatcttgagt gcttacgttg tgcaatttcg agcgtctcga tatattatgt gccanattgc 420
gacatccgtg tgaaa 435

<210> 26848

<211> 270

<212> DNA

<213> Glycine max

<400> 26848

tattctagct tgtatgatta tggggtaccc atcacatgtg gtactacgtg gggggcgggc 60
gatggtgcac aacaagtctt tccacatcca caatgcgcgc ataaaccac catccctgt 120
tgcccacctc cagctgagct cagctactcc cagctagccc atatcctcgt ttctctcaac 180
accgggtccc catcaatcct cccaagcttc cacaacatcc aagcaaaaca acattcacac 240
agcacatgct atcacaggca agcaaaacag 270

<210> 26849

<211> 414

<212> DNA

<213> Glycine max

<400> 26849

gacgcttgag tacaactgtg caactctttt ccaattttta actctatttg aaataatggg 60
caaaatatcc actttgtttc ttaaaagtgc caactgaggt agggtcattg gttggccttt 120
tggttcctca tgacatctta ttagagtata ctactccgt ctagtatttt tactttgtgt 180
attctgttat ttgttggttg taagttgtca gtgagctgtc agttagttac agttaagctg 240

ttagtgagct gtcagttagt tacagttcta actatgtag taacaaattg ggtagtta 300
 cagttagtct ctctatatat agaggtgaca ctatcctttt gtaacttgtc tttctttttc 360
 ttgaccaatg agaaatcaga gtttatcaaa ctctattacg gtatcacaaa gcta 414

<210> 26850
 <211> 340
 <212> DNA
 <213> Glycine max
 <223> unsure at all n locations
 <400> 26850

tcaagcttgt cgatattata tnntncacca aaccaaactc tctttacact aaagcataat 60
 atccaacttg agattcaaca tattgggtcat tgttcaaaaa tgggtattctt tccctaattt 120
 cttaggtgaa aatacctaag ttcttccatt aaatgtcaat ctcttacaca ttgataaaa 180
 aaacttgctt taagctaattg gatgttttac ctaaagataa ccaataaccc tcatcttatt 240
 cttaactcta agagttaattg ggtgttctac cataaatcaa gacaaagaaa gtatttntca 300
 ataacaattt catcctaaaa tcaagaatat aaaagtattt 340

<210> 26851
 <211> 416
 <212> DNA
 <213> Glycine max
 <400> 26851

tatgacacaa ccacctgcac ctttaaaaat tccacatgtc caattcagtg gagaccaagg 60
 ggtcatgaag tggattcaac taggactccc cgtgattacc atatagctct aggggttacc 120
 ttttatgact actccttcta tagtagtgta agattaatag ttaaatacat gtatgaaaaa 180
 aaaaataaca attaaaacta aaatattaca agatttttaa attaattata aaaacttcta 240
 aatatatatt catcaataaa ataaaattaa aaatatatat aaatatcata taaatatcta 300
 tttttgttat tccgtattta tactagatag gtatttggtt agggcaacca agtacttatt 360
 ggatccgccc tcttatagag acaaaacaat tatgcttatg agtaatcata agatta 416

<210> 26852
 <211> 250
 <212> DNA

<213> Glycine max

<223> unsure at all n locations

<400> 26852

ttaagcttgt taaaggaatt tataaacacc tcanaagtct taccaaacat acaaagcaga 60
atgtaattca taggactagt ttagtaattc ttttggaaata atattgttaa cgagtagagt 120
taaaaaaaaa gtataaataa ctaaagggtta tttgaaaaag aatatataga gattatttga 180
actcaaaaaa taaattatga ctccctaagaa tatatgactc caatgaatat tttcaactta 240
taatttcaat 250

<210> 26853

<211> 422

<212> DNA

<213> Glycine max

<400> 26853

tttagctgtc actataatga ctatacgact gatcatgttc caagagaaaa agcaagataa 60
agggtgtgtgt gtgtgtgtgt aataaaacaa agcttcgtca aaaacagtac aaacataaag 120
catatgcgaa atcatgcatg agtgccgact acaaaagaaa aaatagggtt aggtacctta 180
gagtcattag gccccagaag atagggaata gtatcttttc caatcggcta tcatttgtga 240
cgagttgtac agaccattca tatacaccat agtcgtagtt atcagcactg tccaagcaag 300
tagacctagc ttccctgttc tgtgcccata acaaccttgt tttgtctctt acaatgttaa 360
tgccctcata gtatataggc tctttgcaac acagtgttct caatccacaa ccagttgttt 420
tt 422

<210> 26854

<211> 245

<212> DNA

<213> Glycine max

<400> 26854

tttagctttg tacaatgttg ataacaagac aaacttcaat tgcttcttgt ttgtgacaac 60
tttgttttca tccaaatgat tttttgcatg agatagtttt aaatagaaag aaattaattt 120
tcacgagaaa taacttttgg aaaaatatat aatgcgcaac taacctggta gaataatgtc 180
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245

<210> 26855
<211> 418
<212> DNA
<213> Glycine max

<400> 26855

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gtaatgattg atggtgtcta gttacaccga atttgataca atatggaact tgctttattt 360
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<210> 26856
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26856

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aaaagtaaca gtaacaggga gagattgatt gtgggttcag tactaaatga ctgaactaga 240
ctagacgttg gactagatgc ttaaatatgt gttagtgtca gaatgagcag aaatagattt 300
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<212> DNA
<213> Glycine max

<400> 26857

<223> unsure at all n locations
<400> 26860

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agaaaaatcc ctttgtccac tttggaatca aacttagcaa gttgatcttt agtggttcag 240
ataaagcact cacatccaaa tggatgagag tatgaaatat tgggtcttct tcctctctat 300
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<210> 26861
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26861

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gttacaacaa gtgttacaca tgcttctatt tatagactag atagcttcct tgaaaagctt 180
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tcctaaagaa actagagctt agctacacat acctctctaa tagctaagct cacctccttg 360
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aaanaatat 429

<210> 26862
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26862

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tgaaatgtga gttcgacccc tactcacttc tatttttcaat tatttttttcc tcttccgttt 240
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gctagtgcct accaaacaaa taagaatcat tttttcacta cacagaaaca ttntcaataa 360
ccttattttt tacaaatacc cccaaact 388

<210> 26863
<211> 428
<212> DNA
<213> Glycine max

<400> 26863

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agtgcctgaa ataataatg acaataatta caaagttgag ctacccggtg agtataatgt 240
tagttccacc ttcaatgtat ctgacttata tctttttgat gcaaattggag aatccgattt 300
gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360
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<210> 26864
<211> 256
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 26864

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aaaaaggaga gaaggaaaat ttgcaatcaa agagaaagaa aagaagagga aaggaaattc 180
ccaatcaaag agtggggagaa agaanaaaga atagaataga aagaaaactc ccaatcaaag 240
aatgggagaa ggaaaa 256

<210> 26865
 <211> 424
 <212> DNA
 <213> Glycine max

<400> 26865

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<210> 26866
 <211> 266
 <212> DNA
 <213> Glycine max

<400> 26866

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<210> 26867
 <211> 431
 <212> DNA
 <213> Glycine max

<400> 26867

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